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## A REVISION OF THE SUPERFAMILY HISTEROIDEA OF JAPAN (COLEOPTERA). SUPPLEMENTUM 1

By MASAHIRO ÔHARA

### Abstract

ÔHARA M. 1999. A revision of the superfamily Histeroidea of Japan (Coleoptera). Supplementum 1. *Ins. matsum. n. s.* 55: 75–132, 30 figs.

Additional data on bionomics, geographical distribution, and taxonomy of many species are presented for Japanese species of Histeroidea. *Tribalus yamauchii* n. sp., *Margarinotus* (*Myrmecohister*) *maruyamai* n. subgen. and sp., *Macroabraeus akiyamai* n. gen. and sp., are described. *Pachylister chinensis* (Quensel) is recorded from Japan for the first time. *Niponius itoi* Chûjô is placed in the synonymy of *N. osorioceps* Lewis.

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## INTRODUCTION

After completing the final draft of the manuscript of my revision of the superfamily Histeroidea (Ôhara, 1994) I had the opportunity to examine several series of the Japanese histerid specimens in museum and private collections.

This paper presents the result of the study of these materials. One new genus, one new subgenus and three new species are described. One species is newly recorded from Japan. Moreover, additional data about taxonomy, bionomics, and geographical distribution are given for many species.

Unless otherwise stated, specimens examined in this study are deposited in the collection of the Systematic Entomology Laboratory, Hokkaidô University (SEHU). Other collections are abbreviated as in Ôhara (1994) except the following additions.

APM	Aomori prefectural Museum, Aomori; S. Yamauchi.
CBM	Natural History Museum, Chiba; A. Saito.
HMH	Historical Museum of Hokkaidô, Sapporo, Hokkaidô; M. Kadosaki.
IMA	Collection of Mr. M. Ishida; Ogikubo, Tôkyô.
KIT	Collection of Mr. K. Ito; Memuro, Hokkaidô.
LBM	Lake Biwako Museum, Shiga; K. Yahiro.
NIS	Collection of Dr. H. Nishijima; Chitose, Hokkaidô.
OMD	Osaka Natural History Museum; S. Shiyake.
SA	Collection of Mr. K. Sasaki; Kutchan, Hokkaidô.
SEHU	Laboratory of Systematic Entomology, Faculty of Agriculture, Hokkaidô University, Sapporo, Hokkaidô (same as EIHU in Ôhara, 1994).
YCM	Yokosuka City Museum; Mr. I. Kawashima.

I thank late Mr. K. Akiyama (Yokohama, Kanagawa), Mr. D. Asaka (Agricultural Experimental Station, Hokkaidô), late Mr. K. Baba (Niigata), Mr. N. Haraki (Yaizu, Shizuoka), Mr. M. Hasegawa (Toyohashi Museum of Natural History, Aichi), Mr. S. Hori (Hokkaidô Institute of Environmental Science, Sapporo), Mr. K. Ijima (Shibecha, Hokkaidô), Mr. M. Ishida (Ogikubo, Tôkyô), Dr. M. Isono (Hokkaidô Research Center, Forestry and Forest Products Research Inst.), Mr. T. Itoh (Nishinomiya, Hyôgo), Mr. A. Iwasaki (Kitami Agricultural Experimental Station, Hokkaidô), Dr. S. Kamitani (ELKU), Mr. S. Katada (Tôkyô metropolitan Univ.), Mr. K. Kawada (Kawasaki, Kanagawa), Mr. I. Kawashima (YCM), Dr. S. Kudô (Naruto University of Education, Tokushima), Dr. K. Kurosa (Tôkyô), Mr. H. Matsumoto (SEHU), Mr. M. Maruyama (SEHU), Mr. K. Mizota (SEHU), Mr. S. Mochizuki (Fujinomiya, Shizuoka), Mr. S. Morita (Tôkyô), Dr. Al. Newton (Field Museum of Natural History, Chicago), Mr. K. Nakata (Ishikawa), Dr. Y. Nishijima (Chitoe, Hokkaidô), Mr. K. Okazaki (Kutchan, Hokkaidô), Dr. T. Oku (Morioka), Dr. S. Ohmomo (Tochigi), Dr. A. Saitô (CBM), Mr. K. Sasaki (Kutchan, Hokkaidô), Mr. M. Satô (Rishiri Town Museum, Hokkaidô), Mr. S. Shiyake (OMD), Mr. Y. Takai (Takayama, Gifu), Dr. K. Tazoe (Kan'nami, Shizuoka), Mr. H. Torikura (Agricultural Experimental Station, Hokkaidô), Mr. K. Toyoda (Tôkyô), Dr. T. Ueno (ELKU), Dr. K. Yahiro (LBM), late Mr. A. Yamato (Tôkyô), Mr. S. Yamauchi (APM), Mr. N. Yasuda (Sounkyo Museum of Natural History, Hokkaidô), and Dr. M. Yoshida (Tokushima Agricultural College) who loaned or provided me material for the study and Mr. T. Itô (Electron Microscope Laboratory, Faculty of Agriculture, Hokkaidô University) for his help in preparing SEM photographs. I also thank Prof. M. Suwa (SEHU), Dr. S. Takagi (SEHU), Dr. T. Nakane (Chiba) and Dr. K. Morimoto (ELKU) for their efficient support and supervision.

## SYSTEMATICS

FAMILY SPHAERITIDAE THOMSON, 1862

GENUS SPHAERITES DUFTSCHMIDT, 1805

*Sphaerites glabratus* Fabricius, 1792

*Sphaerites politus*: Ôhara, 1994, 58, misidentification.

*Sphaerites glabratus*: Löbl, 1996, 199; Ôhara, 1996, 9.

Remarks. Löbl (1996) revised the genus *Sphaerites* from eastern Asia and identified Japanese specimens with *S. glabratus*.

FAMILY SYNTELIIDAE LEWIS, 1882

GENUS SYNTELIA WESTWOOD, 1864

*Syntelia histeroides* Lewis, 1882

*Syntelia histeroides*: Ôhara, 1994, 61.

Specimens examined [additional records].

[Hokkaidô] Proper: Nopporo (4 exs., 16/vi; 1 ex., 10/vii; 1 ex., 15/vii; 1 ex., 20/vii; 2 exs., 24/vii/1973, HMM), Y. Sakamoto; Maruyama, Sapporo (2 exs., 28/vi/1961), S. Takagi; Jôzankei, Sapporo (1 ex., 17/vi/1954), S. Takagi; Meguro, Saruru River, Erimo-Town (2 exs., 29/vi/1996), K. Mizota.

[Honshû] Aomori-ken: Mt. Rangannomori, Ajigasawa-machi (1 ex., 31/vii/1982, APM), A. Abe; Zatôishi, Hirosaki-shi (1 ex., 7/vi/1958, APM), A. Abe; Fuyubegawa, Kodomari-mura (1 ex., 18/viii/1974, APM), A. Fukuda; Jûniko, Iwasaki-mura (1 ex., 23/v; 1 ex., 29/v; 1 ex., 16/vi/1966; APM), A. Abe; (3 exs., 20/vi/1964; 2 exs., 13/viii/1965; APM), K. Shimoyama; Heiroke, Hiraka-machi (1 ex., v/1945, APM), no collector's name; Hiraka-machi (1 ex., 3/viii/1956, APM), A. Abe; Ôkawara, Kuroishi-shi (1 ex., 1/vi/1958, APM), A. Abe; Akaishigawa, Ajigasawa-machi (1 ex., 24/vii/1985, APM), K. Shimoyama; Towada, Hiraka-machi (1 ex., 28/vi/1953; 1 ex., 19/vi/1954; 1 ex., 12/vi; 1 ex., 17/viii/1955; 1 ex., 29/vii/1956; 2 exs., 1/vi/1958; APM), K. Shimoyama; Hirukaizawa, Kuroishi-shi (1 ex., 21/vi/1941; 1 ex., 13/vi/1943; APM), K. Shimoyama. Fukushima-ken: Kirinte, Hinoemata (1 ex., 15/vi/1986), A. Yamato. Toyama-ken: Awasuno (1 ex., 4/viii/1953), S. Takagi.

Distribution. Japan (Hokkaidô, Honshû, Kyûshû); Kuril Isles.

FAMILY HISTERIDAE GYLLENHAL, 1808 (INCL. NIPONIIDAE)

SUBFAMILY NIPONIINAE FOWLER, 1912

GENUS NIPONIUS LEWIS, 1885

*Niponius obtusiceps* Lewis, 1885

*Niponius obtusiceps*: Ôhara, 1994, 72.

Specimens examined [additional records].

[Honshû] Aomori-ken: Oirase, Fukaura-machi (1 ex., 22/vii/1988, APM), A. Abe.

Additional description. Male genitalia as shown in Fig. 2. Ratio of paramera length to basal piece length about 0.73.

Distribution. Japan (Hokkaidô, Honshû, Kyûshû).

*Niponius osorioiceps* Lewis, 1885

*Niponius osorioiceps*: Ôhara, 1994, 68.

*Niponius itoi* Chujô, 1955, 57 [the type specimen is deposited in Kyûshû University]; Ôhara,

1994, 71. NEW SYNONYM.

Specimens examined [additional records].

Holotype of *N. itoi* Chûjô in ELKU; labeled: 1. "Adera, Nagano pref., Honshu, Japan, 17-28.V.1955, Coll. T. Ito"; 2. "*Niponius itoi* Chûjô, Det. M. Chûjô"; 3. "Holotype (red label)."

[Honshû] Fukushima-ken: Handa-numa, Kuwaore-machi (1 ex., 5/v/1969), K. Tazoe. Ibaraki-ken: Mt. Tsukuba (10 exs., 4-17/v/1991, PD101; 6 exs., 4-17/v/1991, CJ083), M. Isono; Kunugidaira, Yasato (4 exs., 4-17/v/1991, QS042), M. Isono; Yasato-chô (4 exs., 4-17/v/1991, QS063), M.

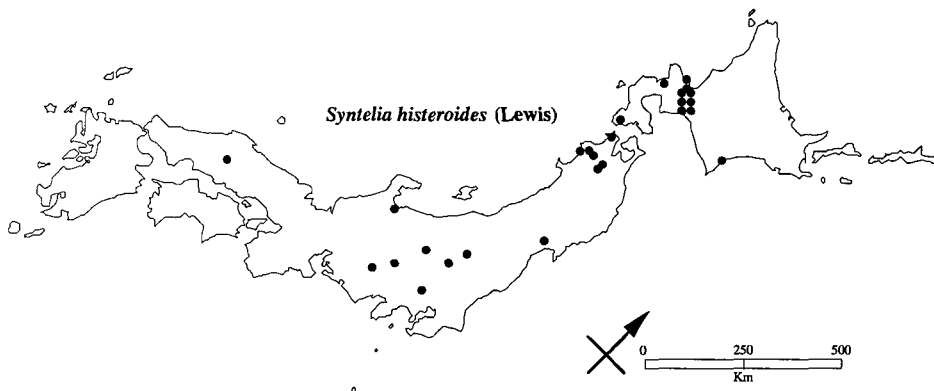


Fig. 1. Collection sites of *Syntelia histeroides* in Japan.

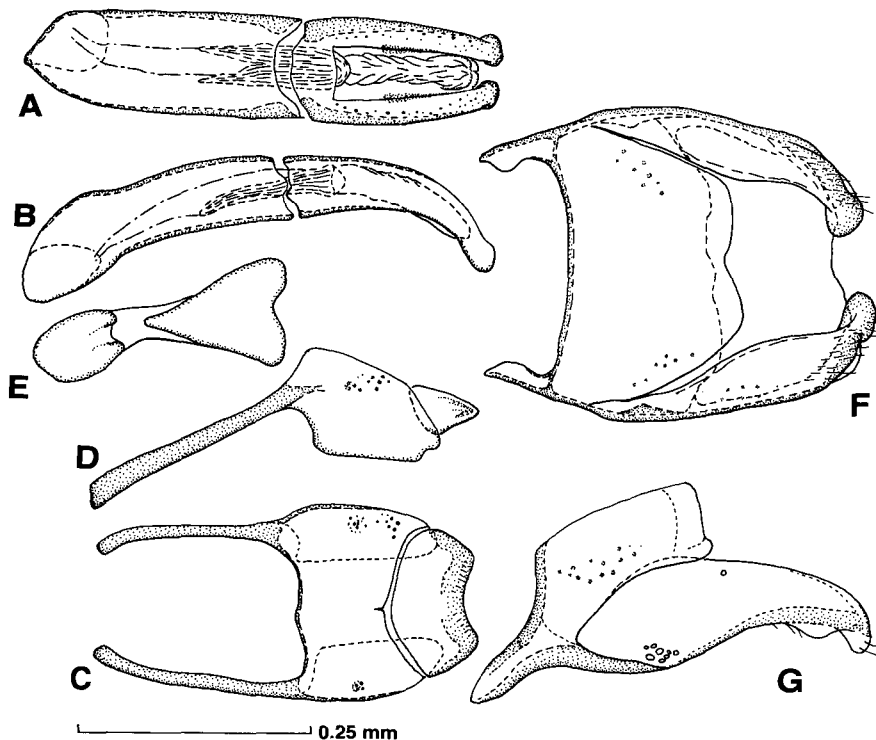


Fig. 2. *Niponius obtusiceps* Lewis. Male genitalia. A: Aedeagus, dorsal view. B: Ditto, lateral view. C: Ninth and 10th tergites, dorsal view. D: Ditto, lateral view. E: Ninth sternum (spicule), dorsal view. F: Eighth tergite and sternum, dorsal view. G: Ditto, lateral view.

Isono.

Distribution. Japan (Hokkaidô, Honshû, Shikoku, Kyûshû); Taiwan; Ussuriyskij Kray.

Remarks. Dr. T. Ueno, Kyûshû Univ., found the type specimen of *N. itoi* in the collection of ELKU and suggested to me that *N. itoi* is a synonym of *N. osorioceps*. I also examined the type and confirmed the synonymy.

*Niponius impressicollis* Lewis, 1885

*Niponius impressicollis*: Ôhara, 1994, 68.

Specimens examined [additional records].

[Honshû] Fukushima-ken: Douzan (1 ex., 2/viii/1972), K. Tazoe. Gumma-ken: Yunogoya-rindô, Minakami (1 ex., 7/viii/1988), K. Akiyama. Kanagawa-ken: Sagami-Ôyama, alt. 900–1200 m (1 ex., 15/vi/1994), K. Kawada.

Distribution. Japan (Hokkaidô, Honshû, Shikoku, Kyûshû); Taiwan; Ussuriyskij Kray.

SUBFAMILY CHLAMYDOPSINAE BICKHARDT, 1914

GENUS EUCURTIOPSIS SILVESTRI, 1926

*Eucurtiopsis ohtanii* (K. Sawada, 1994)

*Eucurtiopsis ohtanii* [sic]: Ôhara, 1994, 78.

Specimens examined [additional records].

[Honshû] Chiba-ken: Ushiku, Ichihara City (1 ex., 22–24/ix/1990, CBM-ZI-38197), S. Hashimoto & M. Hasegawa.

Distribution. Japan (Honshû).

SUBFAMILY TRIBALINAE BICKHARDT, 1914

To include the genus *Tribalus* as new to Japan, the following key should be added in my revision (Ôhara, 1994: 80):

Key to the Japanese genera of the subfamily Tribalinae

- 1 (2) Elytra well impressed several distinct dorsal striae. .... *Epierus* Erichson, 1834
- 2 (1) Elytra without dorsal striae except sutural stria. If the dorsal striae present, the striae usually on humeral area and very rudimentary. .... *Tribalus* Erichson, 1834

GENUS TRIBALUS ERICHSON, 1834

*Tribalus* Erichson, 1834, 164 [type species: *Hister capensis* Paykull, 1811, 80. Designated by Bickhardt, 1917, 128].

*Tribalus yamauchii* M. Ôhara, new species

(Figs. 3-5)

Japanese name: Aomori-anaaki-emma-mushi.

Type material. Holotype (APM). Male. Point-mounted; genitalia dissected; genitalia in balsam on a plastic slide; labeled: 1. “Juniko (Jûniko, Iwasaki-mura), Nishi-(Tsugaru)-gun, Aomori pref., Japan, 14. III. 1965, K. Shimoyama leg., (under side) collected from fungi (in Japanese)”;

2. “Shimoyama Collection, 007, APM”;

3. “No-9849, M. Ôhara”;

4. “Holo-type, *Tribalus yamauchii* M. Ôhara” (red label).

Description. Body oval, strongly convex, black; tarsi and antennae rufopiceous. Body

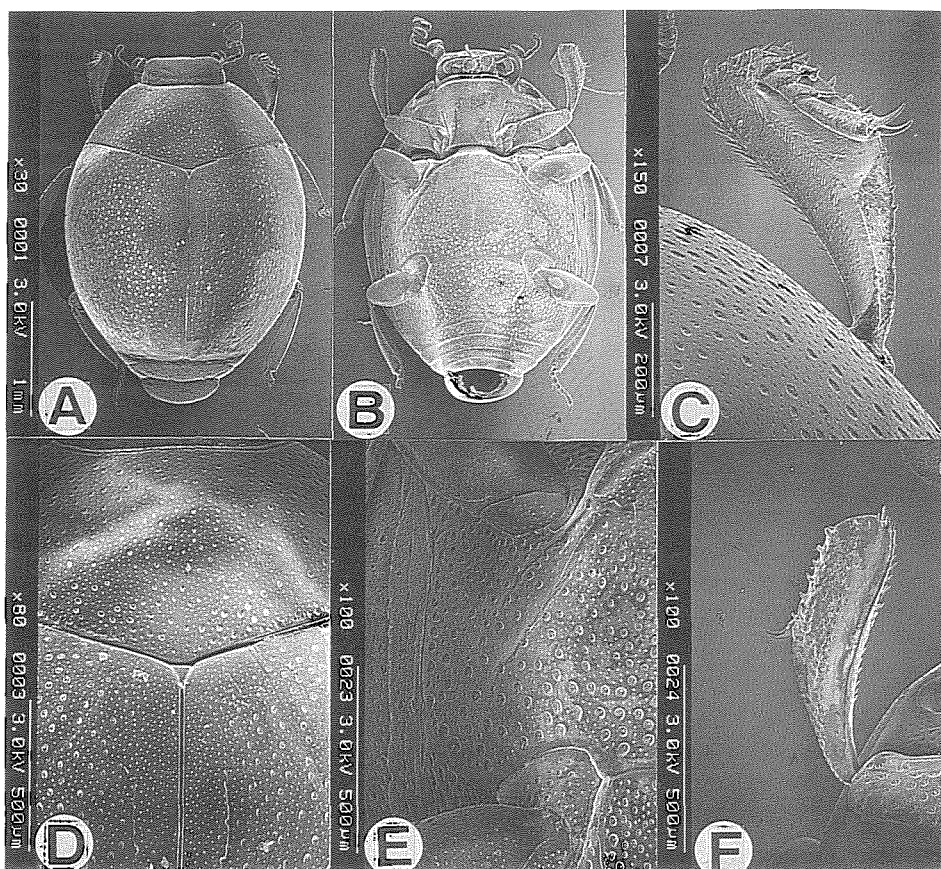


Fig. 3. *Tribalus yamauchii* M. Ôhara, n. sp. A: Adult, dorsal view. B: Ditto, ventral view. C: Right protibia, dorsal view. D: Pronotum and anterior half of elytra, dorsal view. E: Lateral half of metasternum, ventral view. F: Right protibia, ventral view.

length (in mm), PPL 2.82, PEL 2.52, APW 0.82, PPW 1.77, PL 0.78, EL 1.67, EW 2.11, ProW 0.92, ProL 0.24, PyL 0.48, PTL 0.65, MSTL 0.71, MTTL 0.71.\*

Head (Fig. 4B) densely and finely punctate, the punctures separated by 1–2 times their diameter.

Pronotal sides strongly convergent apically. Disk of pronotum sparsely and irregularly covered with coarse punctures that are separated by 1–12 times their diameter (Fig. 3D);

\* Measurements of some body parts, with mean, ranges, standard error and sample size, all in mm, are given (in tables). Abbreviations used in the measurements are as follows: PPL: length between anterior angles of pronotum and apex of pygidium, PEL: length between anterior angles of pronotum and apices of elytra, APW: width between anterior angles of pronotum, PPW: width between posterior angles of pronotum, PL: length of pronotum along mid line, EL: length of elytron along sutural line, EW: maximal width between outer margins of elytra, ProW: maximal width of propygidium, ProL: length of propygidium, PyL: length of pygidium, PTL: length of protibia, MSTL: length of mesotibia, MTTL: length of metatibia. See also Ôhara (1994: 8, fig. 2).

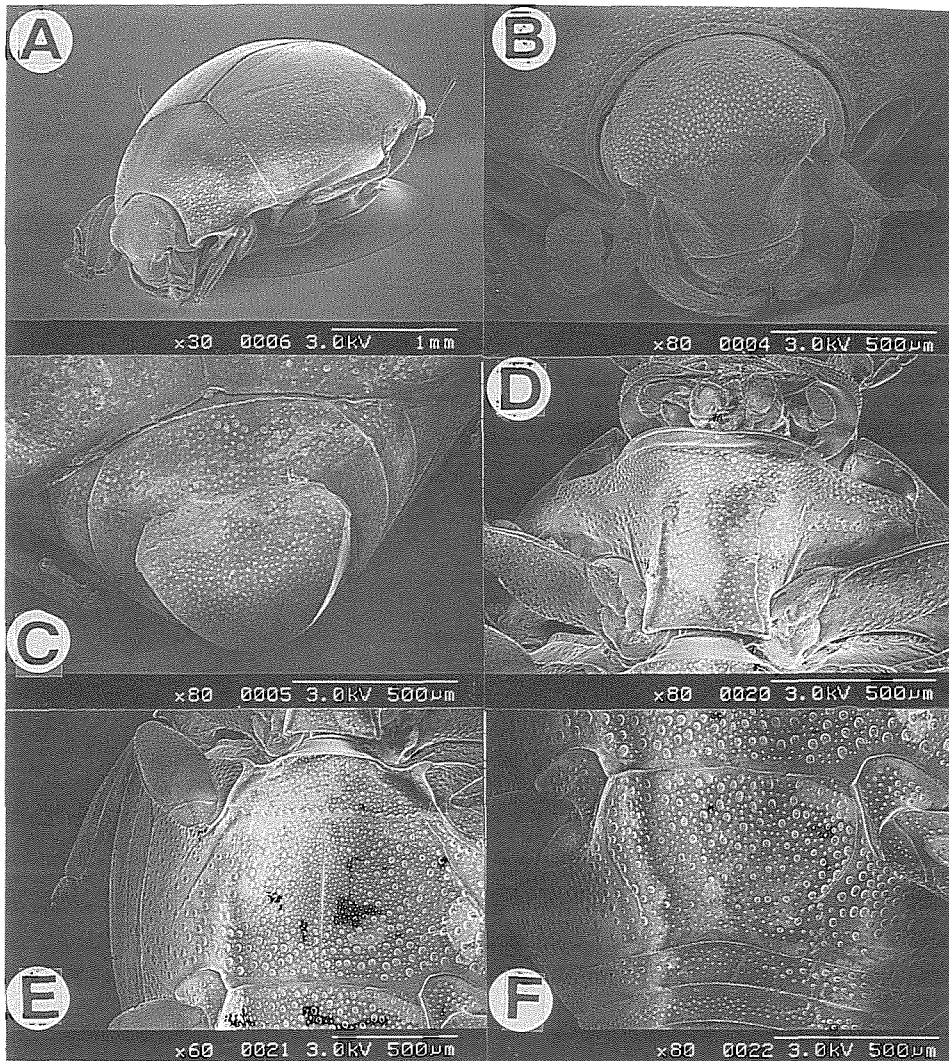


Fig. 4. *Tribalus yamauchii* M. Ôhara, n. sp. A: Adult, latero-frontal view. B: Head, frontal view. C: Propygidium and pygidium, caudal view. D: Prosternum, dorsal view. E: Meso- and metasterna, dorsal view. F: First abdominal sternum, ventral view.

fine punctures intermingled among the coarse punctures, separated by 2–5 times their diameter. Marginal stria completely impressed.

Epipleural marginal stria complete and crenate. Elytral marginal stria complete, sinuate and carinate. Another stria completely impressed between epipleural and elytral marginal striae. Subhumeral stria lightly and completely impressed. First to fifth dorsal striae absent. Sutural stria present on apical two-thirds and sparsely crenate. Punctuation of elytra similar to that of pronotum, the coarse punctures absent medio-basally.

Propygidium (Fig. 4C) sparsely and coarsely punctate, the punctures uneven and separated by 0.5–7 times their diameter, and intermingled with fine punctures that are separated by about their own diameter. Punctuation of pygidium similar to that of



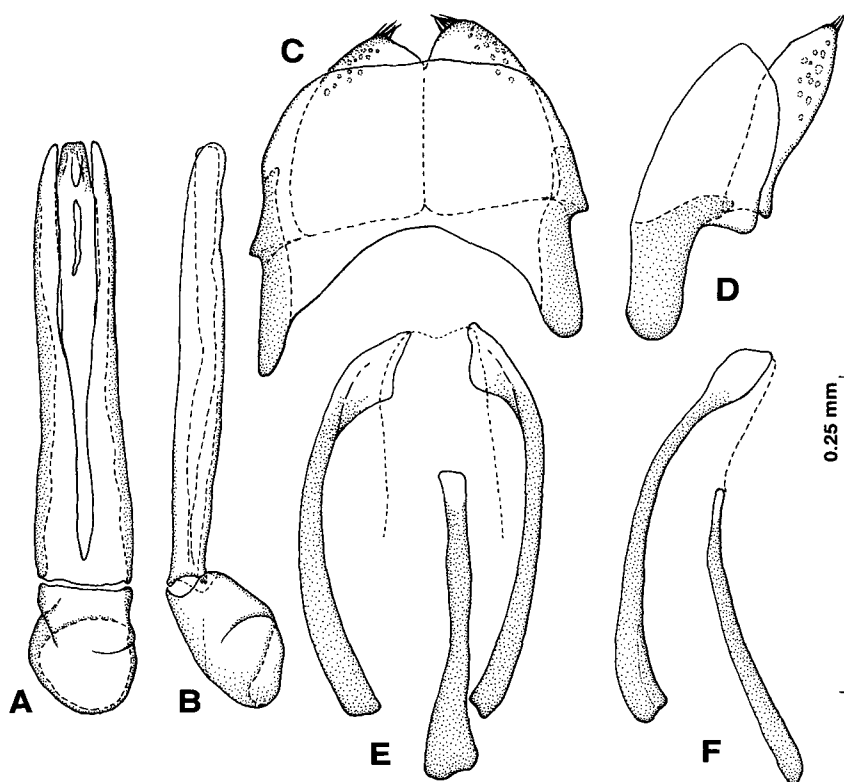


Fig. 5. *Tribalus yamauchii* M. Ôhara, n. sp. A: Aedeagus, dorsal view. B: Ditto, lateral view. C: Eighth tergite and sternum, dorsal view. D: Ditto, lateral view. E: Ninth tergite and sternum (spicule), dorsal view. F: Ditto, lateral view.

propygidium, the coarse punctures become sparser on apical half.

Anterior margin of prosternal lobe (Fig. 4D) broadly truncate, the median portion straight; marginal stria of lobe complete and broadly distant from margin on anterior portion; narrow band between margin and marginal stria transversely excavate and impunctate; disk of lobe densely covered with fine punctures that are separated by about twice their diameter. Prosternal keel longitudinal rectangular; the disk finely and sparsely punctate, the punctures a little coarser than those of lobe and separated by 1–3 times their diameter; interspace among the punctures covered with coriaceous ground microsculpture; carinal and prosternal lateral striae complete.

Anterior margin of mesosternum (Fig. 4E) nearly straight. Mesosternum short (width : length = 4 : 1), with punctation similar to that of the prosternal keel; marginal stria broadly interrupted on median portion and crenate coarsely and carinate laterally. Meso-metasternal suture strongly and coarsely crenate. Intercoxal disk of metasternum even, sparsely and coarsely punctate, the punctures become finer medio-anteriorly and coarser latero-posteriorly and separated by 1–10 times their diameter; interspaces among the coarse punctures intermingled with fine punctures that are separated by 2–4 times their diameter; lateral disk sparsely and coarsely punctate, the punctures separated by 2–6 times their diameter and become finer and denser antero-laterally; lateral metasternal stria extending obliquely and

laterally, reaching near apical one-third of length of lateral disk; mesocoxal stria obliquely and shortly impressed, reaching basal one-third.

Intercoxal disk of 1st abdominal sternum sparsely and coarsely punctate, the punctures separated by 1–4 times their diameter and become finer posteriorly; interspace among the coarse punctures intermingled with fine punctures; lateral stria impressed on basal two-thirds, curved outwardly, the posterior portion nearly straight; lateral disk sparsely and coarsely punctate.

Protibia with 16 small denticles on outer margin, the apical margin truncate.

Male genitalia as shown in Fig. 5; aedeagus slender; ratio in length of paramera to basal piece 4.68; parameres divided widely on apical half.

Distribution. Japan (Honshû).

Etymology. This species is named in honor of Mr. Satoshi Yamauchi of APM, who made a great contribution to this work by making material available for my study and arranging my visit to APM.

Remarks. In shape and size of the body, *T. yamauchii* resembles some members of *Anapleus* of the subfamily Dendrophilinae, which are, however, much different from *yamauchii* in having antennal furrows along the prosternal keel.

#### SUBFAMILY ONTHOPHILINAE MACLEAY, 1819

##### GENUS ONTHOPHILUS LEACH, 1817

##### *Onthophilus silvae* Lewis, 1884

*Onthophilus silvae*: Kryzhanovskij, 1989, 305 [Russia: Primorskij]; Ôhara, 1994, 83.

Specimens examined [additional records].

[Hokkaidô] Proper: Okusawa-suigenchi, Otaru (2 exs., 28/vi; 3 exs., 12/vii/1996, from a nest of ant, *Lasius* (*Dendrolasius*) *fuliginosus*), M. Ôhara; Nagahasi-naebo-kôen, Otaru (1 ex., 12/v/1997, from a nest of ant, *Lasius* (*Dendrolasius*) *spathepus*), M. Ôhara; Iseki-kôen, Hokkaidô Univ., Sapporo (5 exs., 23/v/1997, hand picking from a nest of ant, *Lasius* (*Dendrolasius*) *fuliginosus*), M. Ôhara and K. Mizota; Yahata, Kutchan (6 exs., 19/viii/1994, from a nest of ant, *Lasius* (*Dendrolasius*) *spathepus*), M. Ôhara; Utsai, Kuromatsunai (3 exs., vi/1996, from a nest of ant, *Lasius* (*Dendrolasius*) *fuliginosus*), M. Ôhara.

[Honshû] Kanagawa-ken: Masukata-yama, Tama-ku, Kawasaki (25 exs., 15/vi; 2 exs., 14/vii/1996, from nest of *Lasius* (*Dendrolasius*) *fuliginosus*), K. Kawada.

Distribution. Japan (Hokkaidô, Honshû); Primorskij Kray.

##### *Onthophilus ostreatus* Lewis, 1879

*Onthophilus ostreatus*: Ôhara, 1994, 84; Mazur, 1994, 48.

Specimens examined [additional records].

[Honshû] Chiba-ken: Kashiwa (9 exs., 5/xi/1994), K. Masumoto; Joza (#2623), Sakura-shi (1 ex., 27/ix–2/x/1997, CBM; 1 ex., SEHU; 1 ex., 2–4/x/1997, carrion baited trap, CBM), M. Maruyama and M. Sano; Azeta (#2643), Sakura-shi (1 ex., 20, 23/x/1997, CBM; 1 ex., SEHU), M. Maruyama (1 ex., 2–6/x/1997, carrion baited trap, CBM), M. Maruyama and M. Sano. Kanagawa-ken: Sengeniyama, Yokosuka (1 ex., 15/i/1964, YCM), T. Hamaguchi. Mie-ken: Mizusawa, Yokkaichi (4 exs., 23/x/1993, SEHU; 6 exs., SA), H. Otake. Hyôgo-ken: Motoyama-mura (Nishi-Okamaoto, Higashi-nada), near Kôbe (12 exs., 16/xi/1973), K. Kurosa.

Remarks. Mazur (1994) discussed the biogeography of far eastern species of the genus, and noted that *O. ostreatus* and *O. flavicornis* had expanded their distributional range from

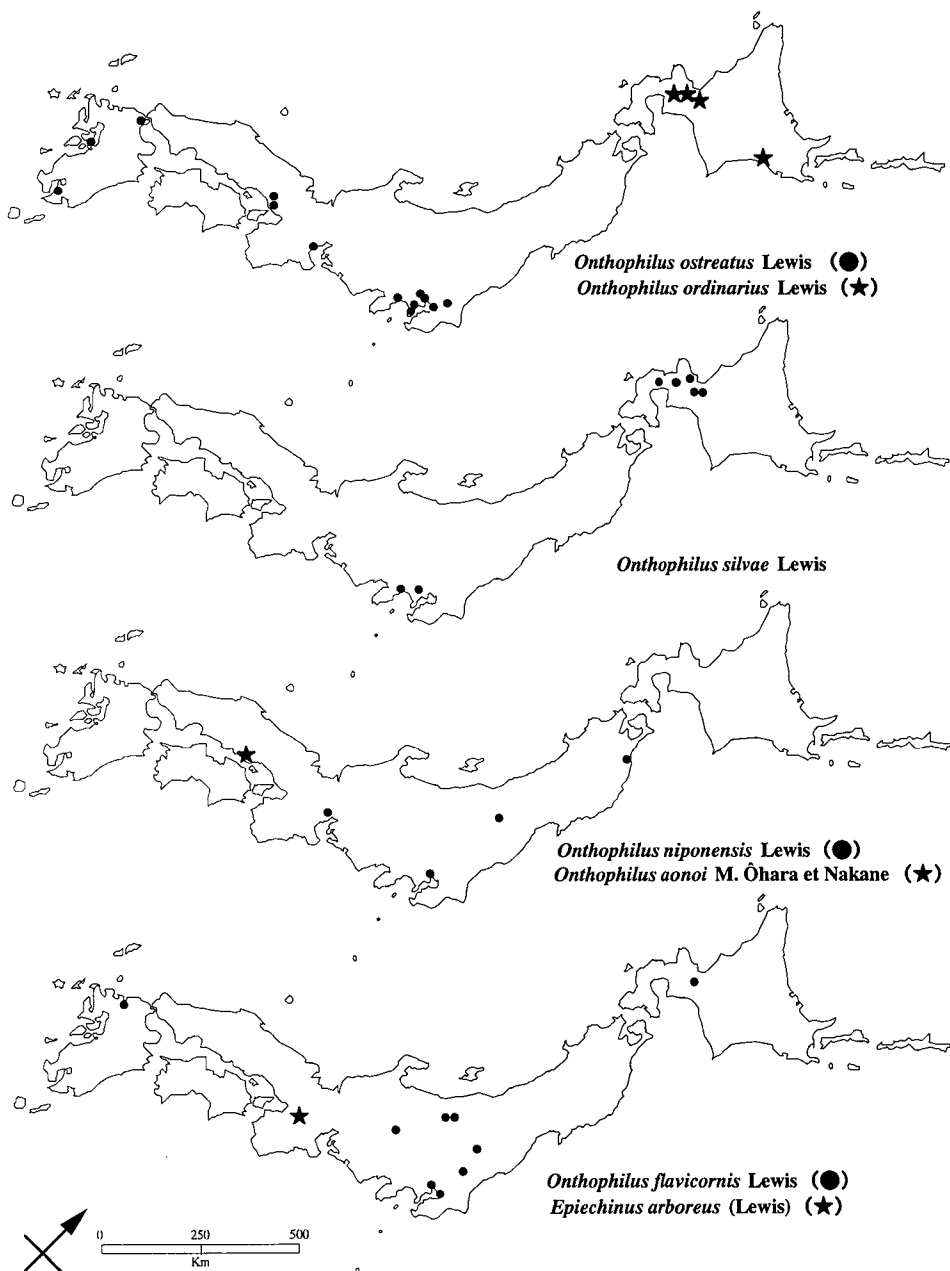


Fig. 6. Collection sites of *Onthophilus* spp. and *Epiechinus arboreus* in Japan.

Japan to Taiwan, through the Ryûkyû Archipelago (Loo choo Archip.). There species, however, absent in the archipelago. On the other hand, *O. ostreatus* is distributed in continental China. These species seem to have expanded their ranges independently to Japan and Taiwan, directly from the continental China.

Distribution. Japan (Honshû, Shikoku, Kyûshû); Taiwan; southern part of continental

China (Hongkong).

*Onthophilus ordinarius* Lewis, 1879

*Onthophilus ostreatus*: Ôhara, 1994, 84.

Specimens examined [additional records].

[Hokkaidô] Proper: Shukushi-takara-gawa, Akan, (1 ex., 26/vi/1997), K. Ijima; Nakajima, Tôyako, Sôubetsu (12 exs., 9/viii/1998), K. Sasaki.

Distribution. Japan (Hokkaidô); Irkutsk; central and east Siberia.

*Onthophilus flavicornis* Lewis, 1884

*Onthophilus flavicornis*: Ôhara, 1994, 84; Mazur, 1994, 48.

Specimens examined [additional records].

[Honshû] Chiba-ken: Iizuka (#3439), Sakura-shi (1 ex., 17/iv/1997, CBM), M. Maruyama et al.

[Kyûshû] Fukuoka-ken: Kashigu, Fukuoka (1 ex., 8/ix/1983), S. Nomura.

Distribution. Japan (Hokkaidô, Honshû, Shikoku, Kyûshû); Taiwan; continental China.

Remarks. See remarks of *O. ostreatus*.

GENUS *EPIECHINUS* LEWIS, 1891

*Epiechinus arboreus* (Lewis, 1884)

*Epiechinus arboreus*: Ôhara, 1994, 85.

Specimens examined [additional records].

[Honshû] Nara-ken: Mt. Kasuga (1 ex., 20/ix/1941, ex. rotten wood), K. Kurosa.

Distribution. Japan (Honshû).

SUBFAMILY *HISTERINAE* GYLLENHAL, 1808

(INCL. *HOLOLEPTINAE*)

TRIBE *EXOSTERNINI* BICKCHARDT, 1914

GENUS *NOTODOMA* LACORDAIRE, 1854

*Notodoma fungorum* Lewis, 1884

*Notodoma fungorum*: Ôhara & Nakane, 1989, 285; Yélamos & Tishechkin, 1996, 78 [Korea, Vietnam, China; Taiwan, Burmah, Thailand, Japan]; Ôhara & Paik, 1998, 3 [Korea].

*Notodoma saturum* Lewis, 1902, 267, synonymized by Yélamos & Tishechkin, 1996, 78.

*Notodoma orientale* Lewis, 1903, 425, synonymized by Yélamos & Tishechkin, 1996, 78.

*Notodoma formosarum* Bickhardt, 1912, 126, synonymized by Yélamos & Tishechkin, 1996, 78.

Specimens examined [additional records].

[Honshû] Aomori-ken: Mt. Kushiishiyama, Ajigasawa-machi (1 ex., 25/vii/1985, APM), A. Abe; Akaishigawa, Ajigasawa-machi (1 ex., 25/vii/1985, APM), K. Shimoyama; Ajigasawa-machi (1 ex., 28/vii/1987, APM), K. Shimoyama; Fuyubegawa, Kodomari-mura (5 exs., 25/vii/1975, APM), K. Shimoyama; Araya, Hiraka-machi (1 ex., 23/vii/1972; 1 ex., 20/vii/1975; APM), K. Shimoyama; Oirase, Fukaura-machi (2 exs., 26/vi/1988; 1 ex., 25/vi/1989; APM), A. Abe; (1 ex., 13/vi/1975, APM), K. Shimoyama; Nakasato-machi (1 ex., 15/vi/1966, APM), A. Abe; Towadako-machi (1 ex., 7/viii/1953, APM), A. Abe; Shiriya, Higashidôri-mura (1 ex., 5/viii/1958, APM), A. Abe; Hiraka-machi (1 ex., 30/vii/1958, APM), A. Abe; Kayanochaya, Mts. Hakkôda, Aomori-shi (4 exs., 19/viii/1976, APM), A. Abe; Mt. Rangannomori, Ajigasawa-machi (1 ex., 25/vii/1976; 4 exs., 12/viii/1981;

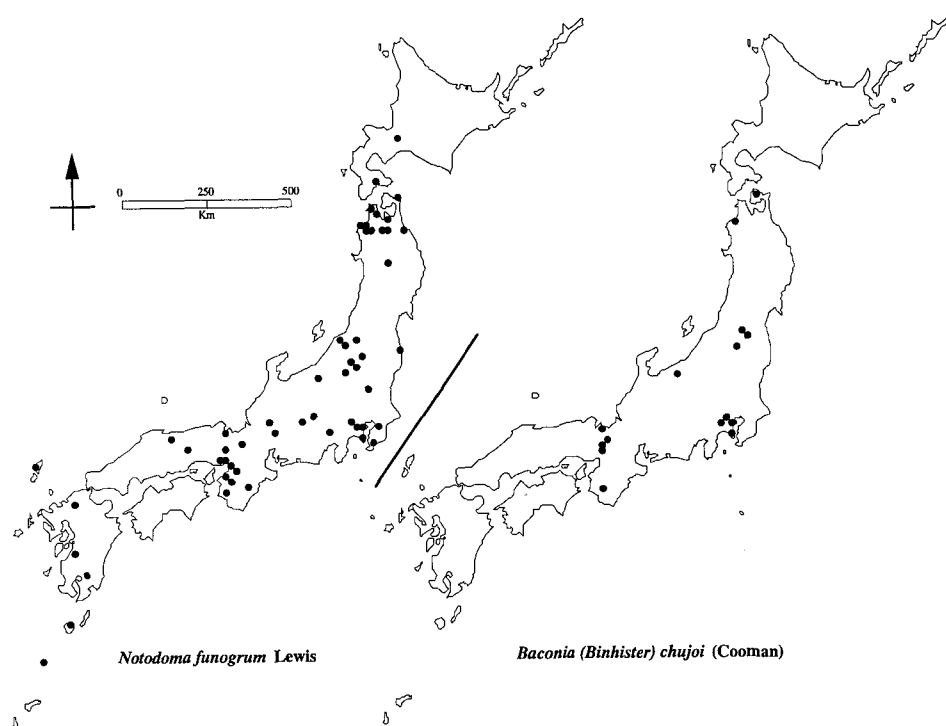


Fig. 7. Collection sites of *Notodoma fungorum* and *Baconia chujoi* in Japan.

1 ex., 4/vii; 1 ex., 31/vii; 1 ex., 2/viii/1982; APM), A. Abe; Akaishi, Ajigasawa-machi (1 ex., 27/vii/1977; 5 exs., 5/viii/1979; APM), K. Shimoyama; Towada, Hiraka-machi (1 ex., 29/vii/1950, APM), K. Shimoyama; Mt. Yasuteyama, Hiraka-machi (1 ex., 30/vii; 1 ex., 2/viii/1967; APM), A. Satoh; Jûniko, Iwasaki-mura (4 exs., 20/vi; 2 exs., 21/vi/1964; 1 ex., 29/vi/1969; APM), K. Shimoyama; Okuakaishi-rindô, Shiragami, Nishi-Tsugaru (1 ex., 10–11/viii/1991), K. Akiyama. Chiba-ken: Yamakura, Ichihara-shi (3 exs., 7/vii/1992, CBM-ZI-56379-56381), Y. Iwasaka; Mt. Kiyosumi, Awa (1 ex., 22/vii/1989, CBM-Z-8881, 2), T. Takeda. Tôkyô-to: Takao-san (6 exs., 18/vi/1990), K. Kawada. Kanagawa-ken: Masukata-yama, Tama-ku, Kawasaki (1 ex., 13/v/1995), K. Kawada. Yamanashi-ken: Hinoharu (5 exs., 10/vii/1978, YCM), N. Ohba. Gifu-ken: Uchigatani, Yamato (1 ex., 6/vi/1994), Y. Takai (Takai, 1995). Ôsaka-fu: Mt. Iwawaki (1 ex., 22/vi/1941), K. Kurosa; Minoo (1 ex., 8/viii/1939), no collector's name. Nara-ken: Wasamata-yama, Kami-kitayama, Yoshino (3 exs., 4–6/viii/1994), T. Itoh. Kyôto-fu: Yohoro-dani, Maizuru City (1 ex., 25/vi/1994), T. Itoh.

[Kyûshû] Kumamoto-ken: Mt. Shiraga, Ue-mura (1 ex., 10/vii/1983), M. Ôhara. Miyazaki-ken: Mi-ike (2 exs., 16/vii/1983), M. Ôhara.

[Nansei Isles.] Yaku-shima Is.: Shiratani (2 exs., 5/vii/1989), K. Akiyama.

**Distribution.** Japan (Hokkaidô, Honshû, Shikoku, Kyûshû, Nansei Isles.); Korea; continental China; Taiwan; Vietnam and Myanmar.

GENUS *BACONIA* LEWIS, 1885  
SUBGENUS *BINHISTER* COOMAN, 1934

*Baconia (Binhister) chujoi* (Cooman, 1941)

*Baconia (Binhister) chujoi*: Mazur, 1997, 26.

*Binhister chujoi*: Ôhara & Nakane, 1989, 290; Hirano, 1995, 4 [Hokkaidô].

Specimens examined [additional records].

[Honshû] Aomori-ken: Kazamaura-mura (1 ex., 25/vii/1983, APM), A. Fukuda. Kanagawa-ken: Masukata-yama, Tama-ku, Kawasaki (7 exs., 13/v/1995), K. Kawada; Mukô-ga-oka (1 ex., 6/vi/1976), K. Kurosa; Taura, Yokosuka (1 ex., 31/v/1964, YCM), T. Hamaguchi.

Distribution. Japan (Hokkaidô, Honshû).

TRIBE HOLOLEPTINI HOPE, 1840  
GENUS *HOLOLEPTA* PAYKULL, 1811

*Hololepta (Hololepta) amurensis* Reitter, 1897

*Hololepta (Hololepta) amurensis*: Ôhara, 1991, 103; 1994, 91.

Specimens examined [additional records].

[Hokkaidô] Rishiri Is.: Mt. Rishiridake (1 ex., 8/viii/1971, APM), K. Terata. Proper: Ibun, Shibetsu (1 ex., 1/vii; 2 exs., 21/vii/1984), T. Okuyama; On'nebetsu-machi, Shibetsu (1 ex., 24/vii/1984), T. Okuyama; Nopporo (1 ex., 1/vii; 1 ex., 23/vii/1967, HMH), N. Kitazima; (1 ex., 18/vii/1988), M. Ôhara; Hyakumatsu-zawa, Sapporo (2 exs., 5/vi/1993, SA), K. Sasaki; Mt. Petegaridake, Shizunai-machi (2 exs., 28/vii/1974, APM), K. Shimoyama.

[Honshû] Aomori-ken: Yunosawagawa, Tairadate-mura (1 ex., 30/vii/1970, APM), A. Abe; Oirasegawa, Fukaura-machi (1 ex., 30/v/1976; 1 ex., 18/vi/1977; 1 ex., 15/vi/1979, APM), A. Abe; Jûniko, Iwasaki-mura (1 ex., 15/viii/1965, APM), A. Abe; (1 ex., 15/viii/1964, APM), K. Shimoyama; Kanagi-mura (1 ex., 22/vii/1979, APM), K. Shimoyama; Matsukurazawa, Soma-mura (1 ex., 2/viii/1987, APM), K. Shimoyama; Anmongawa, Nishimeya-mura (3 exs., 7/viii/1987, APM), A. Abe; Ôkawa, Nishimeya-mura (1 ex., 7/viii/1987, APM), S. Yamauchi; (1 ex., 12/viii/1987, APM), A. Abe; Sasanaigawa, Iwasaki-mura (1 ex., 21/vii/1991, APM), A. Abe; Matsudai, Ajigasawa-machi (2 exs., 6/viii/1987, APM), A. Abe; Sukayu, Mts. Hakkôda (1 ex., 6/vii/1975, APM), A. Abe; Kodomari-mura (1 ex., 20/viii/1976, APM), A. Abe; Towada, Hiraka-machi (2 exs., 12, 15/vi/1955, APM), K. Shimoyama; Aoni, Kuroishi-shi (1 ex., 8/viii/1963, APM), K. Shimoyama; Kuzukawa, Hiraka-machi (1 ex., 25/viii/1955, APM), K. Shimoyama. Akita-ken: Kosaka-machi (7 exs., 30/vi/1979, APM), H.

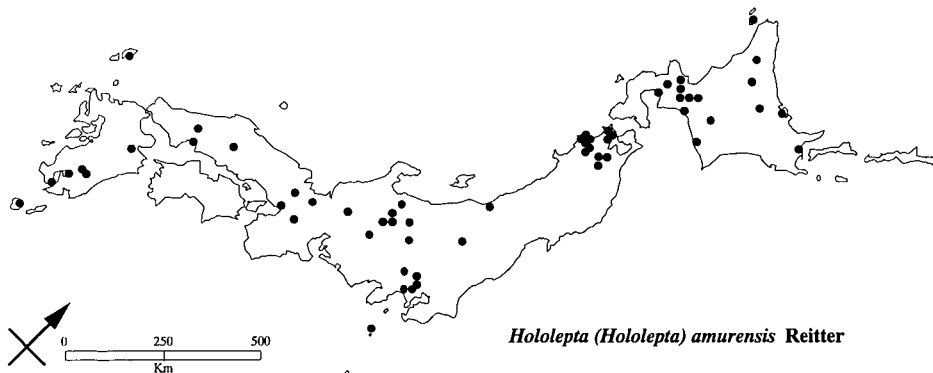


Fig. 8. Collection sites of *Hololepta amurensis* in Japan.

Yokoyama. Kanagawa-ken: Fudakake, Higashi-tanzawa (1 ex., 23/vi/1963, YCM), T. Hamaguchi.  
Izu Isles: Sato, Mikura-jima (1 ex., 6/vii/1975), J. Okuma. Ōsaka-fu: Minoo (2 exs., 1/vii; 2 exs., 8/viii/1934; 1 ex., 20/vii/1937; 2 exs., 30/v/1940), K. Kurosa.

[Kyûshû] Ōita-ken: Mt. Katamuki (1 ex., vii/1977), K. Kurosa.

Distribution. Japan (Hokkaidô, Honshû, Shikoku, Kyushû, Izu Isles, Tsushima Isles, Yaku-shima Is.); East Siberia; Primorskij Kray; Korea; Taiwan; continental China.

*Hololepta (Hololepta) depressa* Lewis, 1884

*Hololepta (Hololepta) depressa*: Ôhara, 1991b, 235.

Specimens examined [additional records].

[Hokkaidô] Proper: Yûbari (1 ex., vii/1937), no collector's name.

[Honshû] Aomori-ken: Aoni, Kuroishi-shi (1 ex., 28/vi/1963, APM), K. Shimoyama.

Distribution. Japan (Hokkaidô, Honshû, Shikoku, Kyûshû); Taiwan.

TRIBE PLATYSOMATINI BICKHARDT, 1917

GENUS PLATYSOMA LEACH, 1817

*Platysoma (Platysoma) deplanatum* (Gyllenhal, 1808)

*Platysoma (Platysoma) deplanatum*: Ôhara, 1986, 100; 1994, 93.

Specimens examined [additional records].

[Hokkaidô] Proper: Kiritachi pass, Tomamae-chô, Rumoi-shichô (1 ex., 27/vi/1987), A. Kashizaki; Minami-kitoushi, Ashoro (1 ex., 21/vii/1992), K. Haga; Kami-ashoro, Ashoro (1 ex., 4/vii/1993), K. Ito.

Distribution. Japan (Hokkaidô); Europe; Siberia; Mongolia; Korea.

*Platysoma (Platysoma) vagans* Lewis, 1884

*Platysoma (Platysoma) vagans*: Ôhara, 1986, 97; 1994, 94.

Specimens examined [additional records].

[Hokkaidô] Proper: Chimikeppu-ko, Tubetsu-chô, PTB1 (1 ex., 3–17/viii/1994, HOR), S. Hori; Oyobegawa, Matsumae (1 ex., 5/vii/1997, SA), K. Sasaki.

[Honshû] Aomori-ken: Towada, Hiraka-machi (1 ex., 1/vii/1966, APM), K. Shimoyama; Sasanaigawa, Iwasaki-mura (1 ex., 25/vii/1991, APM), J. Kon.

Distribution. Japan (Hokkaidô, Honshû).

*Platysoma (Platysoma) lewisi* Marseul, 1873

*Platysoma (Platysoma) lewisi*: Ôhara, 1986, 97; 1994, 93; Ôhara and Paik, 1998, 8 [Korea].

Specimens examined [additional records].

[Kyûshû] Ōita-ken: Shigeoka-mura (now, Ume-machi) (7 exs., 23/v/1946), K. Kurosa.

Distribution. Japan (Hokkaidô, Honshû, Shikoku, Kyûshû, Tsushima Isles); continental China; Taiwan; Vietnam; Korea.

*Platysoma (Platysoma) unicum* Bickhardt, 1912

*Platysoma (Platysoma) unicum*: Ôhara, 1986, 96; 1994, 94.

Specimens examined [additional records].

[Nansei Islands] Ishigaki Is.: Takeda (1 ex., 20/iv/1981), K. Baba.

Distribution. Japan (Nansei Isles); Taiwan.

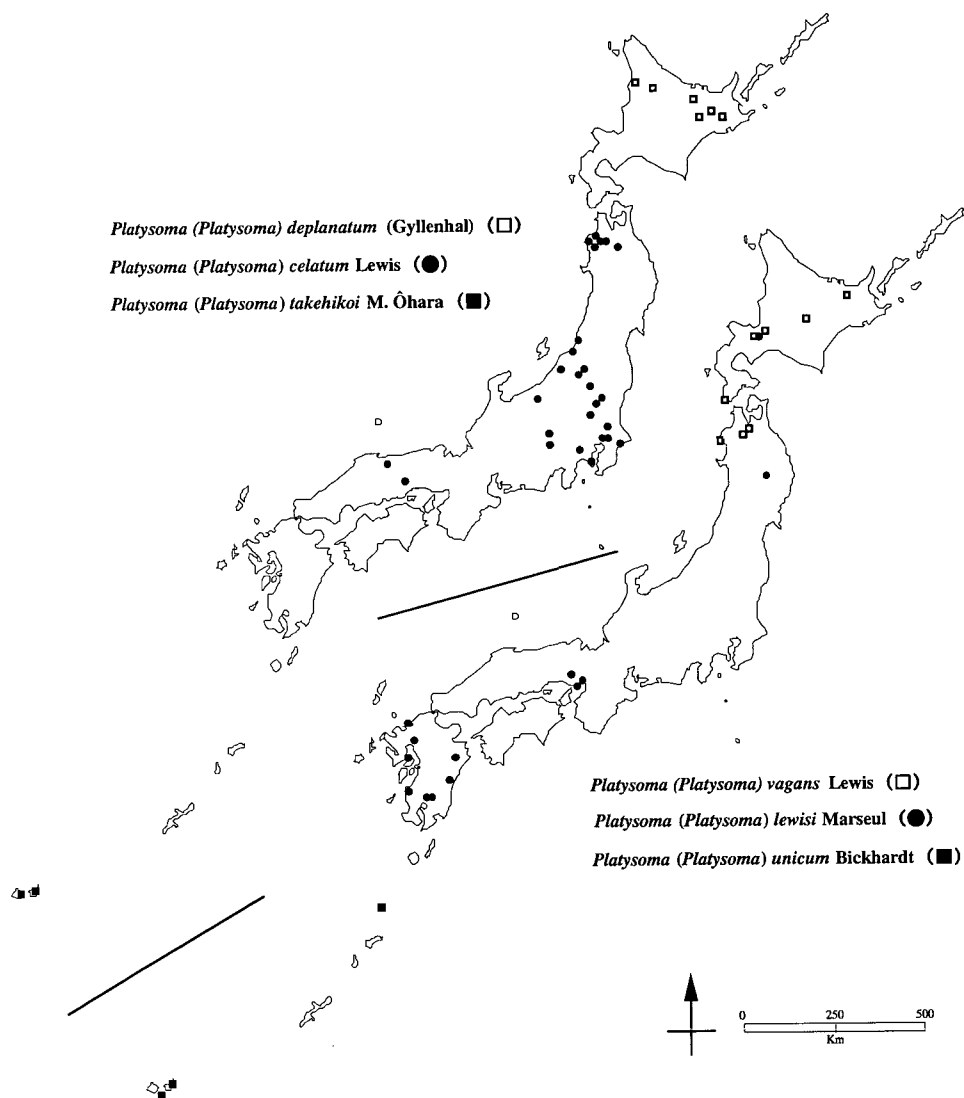


Fig. 9. Collection sites of *Platysoma* spp. in Japan.

*Platysoma (Platysoma) takehikoi* M. Ôhara, 1986

*Platysoma (Platysoma) takehikoi*: Ôhara, 1986, 102; 1994, 94.

Specimens examined [additional records].

[Nansei Islands] Iriomote Is.: Urauchi (1 ex., 22/iv/1981), K. Baba; Komai (1 ex., 23/iv/1981), K. Baba. Ishigaki Is.: Takeda (1 ex., 20/iv/1981), K. Baba.

Distribution. Japan (Nansei Isles); Taiwan.

*Platysoma (Platysoma) celatum* Lewis, 1884

*Platysoma (Platysoma) celatum*: Ôhara, 1986, 99; 1994, 93.

Specimens examined [additional records].

[Honshû] Aomori-ken: Kutôji, Hirosaki (1 ex., 9/v/1972, IMA), A. Abe; Akaishigawa, Ajigasawa-



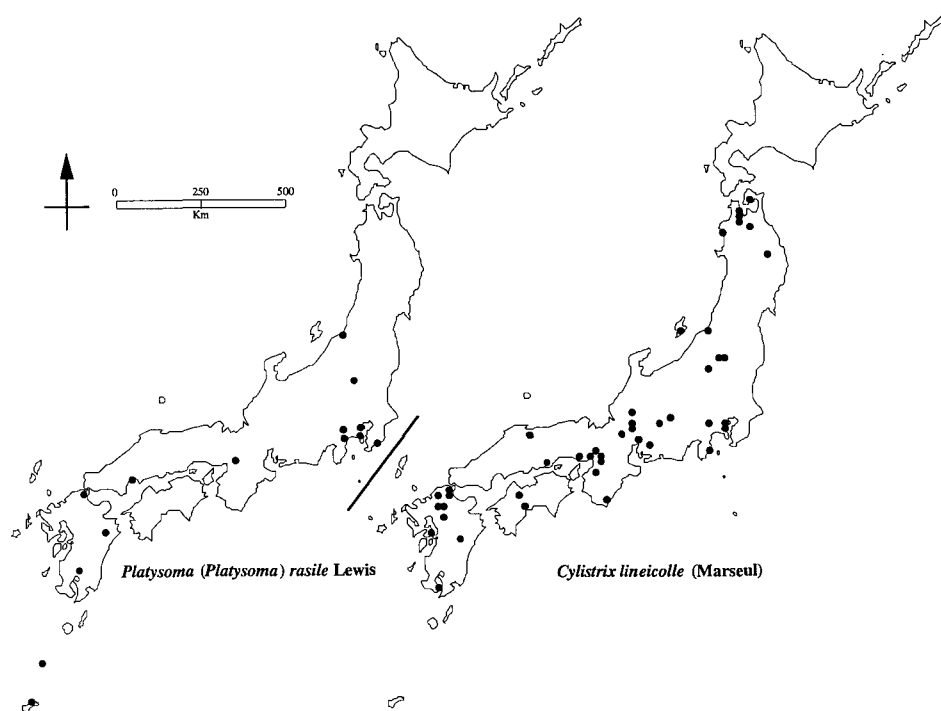


Fig. 10. Collection sites of *Platysona rasile* and *Cylistrix lineicollis* in Japan.

machi (1 ex., 27/vii/1988, APM), S. Yamauchi; Mt. Rangannomori, Ajigasawa-machi (1 ex., 27/vii/1986, APM), A. Abe; Oirasegawa, Fukaura-machi (1 ex., 15/ix/1988, APM), S. Yamauchi; Araya, Hiraka-machi (1 ex., 7/v/1975, APM), K. Shimoyama; (3 exs., 7/v/1975, APM), K. Shimoyama; (2 exs., 2/vi/1972, IMA), A. Abe; Mt. Yasuteyama, Hiraka-machi (3 exs., 9/ix/1973, APM), S. Satoh; (1 ex., 1/v/1975, APM), K. Shimoyama.; Hiraka-machi (1 ex., 13/v/1973; 2 exs., 10/v/1975; APM), K. Shimoyama; Okuakaishi-rindô, Shiragami, Nishi-Tsugaru (8 exs., 10–11/viii/1991), K. Akiyama. Ibaraki-ken: Haganuma, Edosaki (3 exs., 30/iv/1984), K. Akiyama. Chiba-ken: Iizuka (#3439), Sakura-shi (1 ex., 17/iv/1997, CBM; 1 ex., SEHU), M. Maruyama and M. Sano; Yôkaichi-shi (2 exs., 5/vi/1988, CBM-Z-62260–1), T. Itoh; Aoba, Chiba-shi (1 ex., 28/v/1986, CBM-Z-53809), H. Yamazaki. Kanagawa-ken: Nobi, Yokosuka (1 ex., 18/vi/1996; 1 ex., 24/v/1996, YCM), I. Kawashima; Taura, Yokosuka (3 exs., 12/x/1963, YCM), T. Hamaguchi.

Distribution. Japan (Honshû, Kyûshû, Nansei Isles); continental China.

#### *Platysona (Platysona) rasile* Lewis, 1884

*Platysona (Platysona) rasile*: Ôhara, 1986, 104; 1994, 94.

Specimens examined [additional records].

[Honshû] Chiba-ken: Mt. Kiyosumi (1 ex., 7/vi/1987, CBM-Z-7114), T. Itoh. Kanagawa-ken: Oiso (1 ex., 20/v/1978; 1 ex., 5/viii/1978, YCM), M. Takakuwa. Niigata-ken: Senami, northern Echigo (1 ex., 25/vii/1982), K. Baba. Kanagawa-ken: Nangô-park, Hayama (1 ex., 29/vi/1996), S. Tsuyuki; Masukata-yama, Tama-ku, Kawasaki (2 exs., 13/v/1995; 2 exs., 23/vi/1996), K. Kawada. Nara-ken: Kasuga-yama (1 ex., 19/xii/1992), T. Itoh.

Distribution. Japan (Honshû, Kyûshû, Tshushima Isles, Nansei Isles); Korea.

SUBGENUS PLATYLISTER LEWIS, 1892

*Platysoma (Platylister) atratum* Erichson, 1834

*Platysoma (Platylister) atratum*: Ôhara, 1994, 96.

*Silinus atratus*: Mazur, 1997, 62.

Specimens examined [additional records].

[Nansei Isles] Tokara-nakano-shima: (1 ex., 14/v/1981), S. Morita. Amami-Ôshima: Nakagachi (3 exs., 8/iv/1991), T. Ueno.

Distribution. Japan (Kyûshû, Izu Isles, Nansei Isles); India; Burma; Vietnam; Laos; Taiwan; south-eastern China; Nepal.

*Platysoma (Platylister) horni* Bickhardt, 1913

*Platysoma (Platylister) horni*: Ôhara, 1994, 101.

Specimens examined [additional records].

[Nansei Islands] Iriomote Is.: Mt. Komi (1 ex., 23/iv/1981), K. Baba; Shirahama-rindô (1 ex., 13/ix/1993), M. Ôhara. Ishigaki-jima: Kabira (1 ex., 28/iv/1977, YCM), N. Ohba.

Distribution. Japan (Nansei Isles); Taiwan.

*Platysoma (Platylister) cambodjense* Marseul, 1864

*Platysoma (Platylister) cambodjense*: Ôhara, 1994, 99.

Specimens examined [additional records].

[Nansei Isles.] Yaku-shima Is.: Shiratani (1 ex., 3/vii/1989), K. Akiyama.

Distribution. Japan (Kyûshû; Nansei Isles.); Cambodia; Burma; Taiwan; northern India; Vietnam; Laos; Thailand; Bhutan; Nepal.

*Platysoma (Platylister) pini* Lewis, 1884

*Platysoma (Platylister) pini*: Ôhara, 1994, 103.

Specimens examined [additional records].

[Honshû] Aomori-ken: Towada, Hiraka-machi (1 ex., 24/vi/1977, APM), K. Shimoyama; Mt. Rangannomori, Ajigasawa-machi (1 ex., 4/vii/1982; 1 ex., 19/vi/1983; APM), A. Abe. Nara-ken: Arakami, Nosegawa-mura, Yoshino-gun (1 ex., 10/vii/1995), T. Itoh.

Distribution. Japan (Hokkaidô, Honshû, Shikoku, Kyûshû); Taiwan.

GENUS CYLISTRIX MARSEUL, 1857

*Cylistrix lineicollis* (Marseul, 1873)

*Platysoma (Cylistrix) lineicollis*: Ôhara, 1994, 105.

*Cylistrix lineicollis*: Mazur, 1997, 75.

Specimens examined [additional records].

[Honshû] Aomori-ken: Oirase, Fukaura-machi (1 ex., 19/vi/1976, IMA), A. Abe; Mt. Kamafuse-yama, Mutsu-shi (8 exs., 6/v/1978; 42 exs., 6/v/1981; APM), K. Shimoyama & A. Satoh; Iizume, Goshogawara-shi (5 exs., 20/iv/1966, APM), K. Shimoyama & A. Abe; Nakasato-machi (3 exs., 28/v/1965; 1 ex., 5/iii/1966; 12 exs., 9/iii/1967; APM), K. Shimoyama; Chikagawa, Mutsu-shi (23 exs., 22/iv; 17 exs., 17/v; 1 ex., 30/vii/1982; APM), K. Shimoyama & A. Satoh; Kanagi-machi (1 ex., 9/iii/1967, APM), K. Shimoyama; Nyuunai (1 ex., 1/vi/1991), H. Saitoh; Ohmagoshi, Iwasaki-mura (1 ex., 2/vi/1991), H. Saitoh. Fukushima-ken: Hinoemata, Minami-aizu (1 ex., 19/v/1985), K. Kawada. Kanagawa-ken: Ikuta-ryokuchi, Kawasaki (2 exs., 28/iv/1993), K. Kawada; Sakurayama, Zushi (2

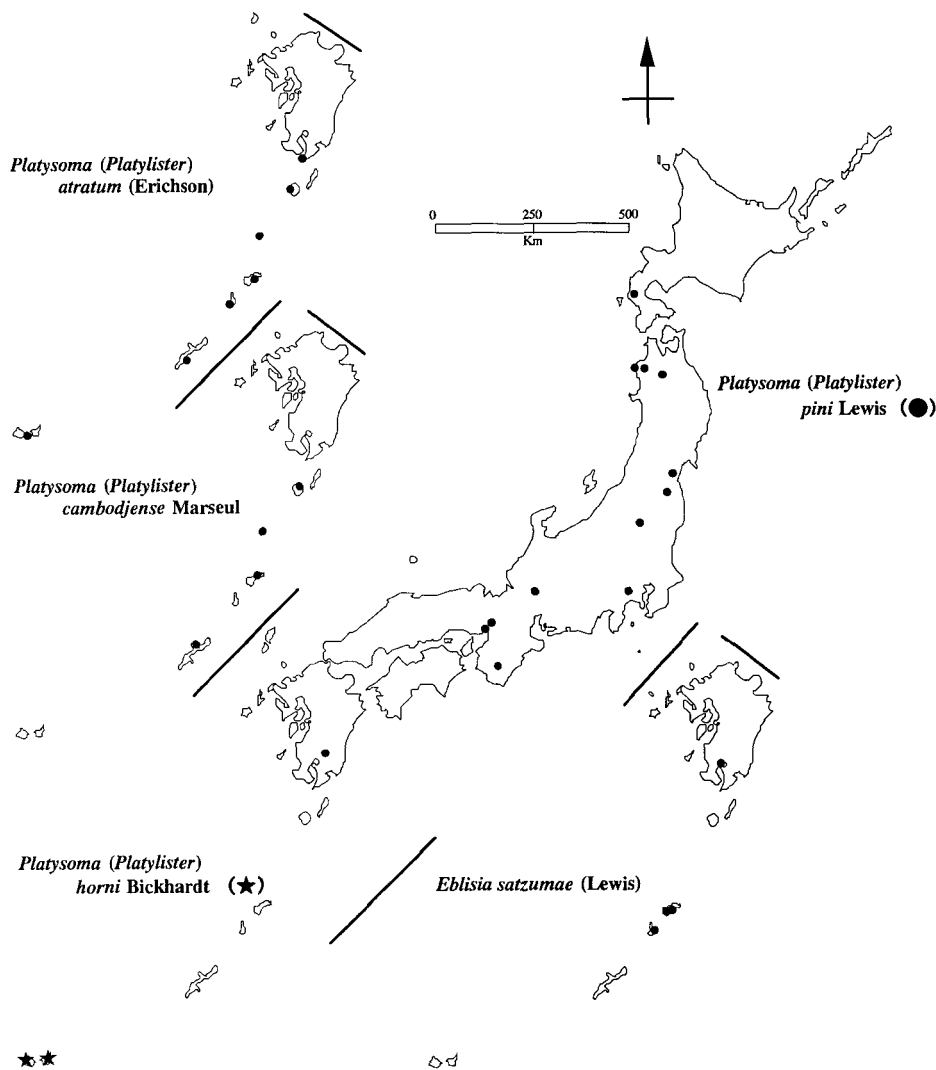


Fig. 11. Collection sites of *Platysoma* spp. and *Eblisia satzuma* in Japan.

exs., 15/i/1965, YCM), Y. Yamamoto. Gifu-ken: Oyana, Seki (1 ex., 12/vii/1980), Y. Takai (Takai, 1995: 115). Hyôgo-ken: Foot of Mt. Maya, Kôbe (5 exs., 29/iv/1939), K. Kurosa; Mt. Ichino-san, Nada-ku, Kôbe (12 exs., 7/i/1940), K. Kurosa.

Distribution. Japan (Honshû, Shikoku, Kyûshû); Taiwan; Ussuriyskij Kray.

#### GENUS *EBLISIA* LEWIS, 1889

##### *Eblisia satzuma* (Lewis, 1899)

*Eblisia satzuma*: Ôhara, 1993c, 5.

Specimens examined [additional records].

[Nansei Islands] Amami-Ôshima Is.: Nagakumo-tôge, Tatsugô-chô (1 ex., 8/v/1996), Y. Kurosa;

Kinsakubaru, Naze-shi (2 exs., 17/ix/1996, under bark), K. Nakata.

Distribution. Japan (Kyûshû, Nansei Isles).

TRIBE HISTERINI GYLLENHAL, 1808

GENUS MARGARINOTUS MARSEUL, 1853

SUBGENUS MYRMECOHISTER M. ÔHARA, NEW SUBGENUS

Type species: *Margarinotus (Myrmecohister) maruyamai* M. Ôhara, new species

Belonging to the genus *Margarinotus*, with the following combination of character-states: body shape oblong-oval; pronotum densely covered with coarse punctures; lateral area of pronotum broadly and strongly excavated along lateral and latero-anterior margins; epipleura of pronotum without hair; marginal pronotal, external and internal lateral pronotal striae absent; external subhumeral stria of elytra complete; dorsal surface of elytra without projecting tubercle; denticle on outer margin of protibia small; meso- and metatibiae broad, triangular and strongly dilated; prosternum with carinal stria; apex of aedeagus of male genitalia with a denticle.

This combination of character-states does not occur in any of the other subgenera of the genus *Margarinotus*. The most characteristic state is the absence of the marginal pronotal and lateral striae. The distinctive combination of character-states found in this species appears to warrant the erection of a new subgenus within the genus *Margarinotus*.

Although *Myrmecohister* somewhat deviates from other *Margarinotus* species, several characters in aedeagus of male genitalia clearly indicate a monophyletic origin with that genus, while the presence of an apical denticle on median lobe of aedeagus suggests a close relationship with the subgenus *Paralister* and some species of the subgenus *Ptomister*, e.g. *merdarius*, *tristriatus*, *koltzei* and *hailar*.

The subgenus *Myrmecohister* superficially resembles *Psiloscelis* spp. in North America; however, it can easily be distinguished by the structure of male genitalia, that is, the presence of median armature of aedeagus. *Psiloscelis* is allied to the genera *Hister*, *Merohister* and *Atholus* rather than to *Margarinotus*, on the basis of their structure of male genitalia.

To include the new subgenus, some couplets in my key to the subgenera of the genus *Margarinotus* (Ôhara, 1994: 138) should be changed as follows:

- 1 (2) Lateral sides of pronotum strongly depressed or excavated. Intercoxal disk of metasternum wholly covered with coarse punctures.
- 1a (1b) Lateral pronotal stria present. Body size small, PPL 4.0–4.25 mm. Lateral side of pronotum strongly depressed, the disk covered with coarse punctures only along lateral margin. .... Subgenus *Kurilister* Tishechkin, 1992
- 1b (1a) Lateral pronotal stria absent. Body size large, PPL 6.62–7.31 mm. Lateral side of pronotum excavated, the disk wholly covered with coarse puncture. .... Subgenus *Myrmecohister* M. Ôhara, n. subgen.  
..... *M. (M.) maruyamai* M. Ôhara, n. sp.
- 2 (1) Lateral sides of pronotum not depressed. Intercoxal disk of metasternum not punctate (rarely punctate, with punctures only along lateral metasternal stria).

*Margarinotus (Myrmecohister) maruyamai* M. Ôhara, new species

(Figs. 12–16)

Japanese name: Arikui-emma-mushi.

Type materials. Holotype (SEHU). Male. Point-mounted; labeled: 1. “[Hokkaidô] Maruyama, Sapporo, 8/vi/1998, M. Maruyama, (collected) from (a) nest of ant, *Lasius* sp.”; 2. “♂”; 3. “Host ant, *Lasius (Dendrolasius) fuliginosus* (Latereille), det. M. Maruyama”; 4. “M. Ôhara, No.-9889”;

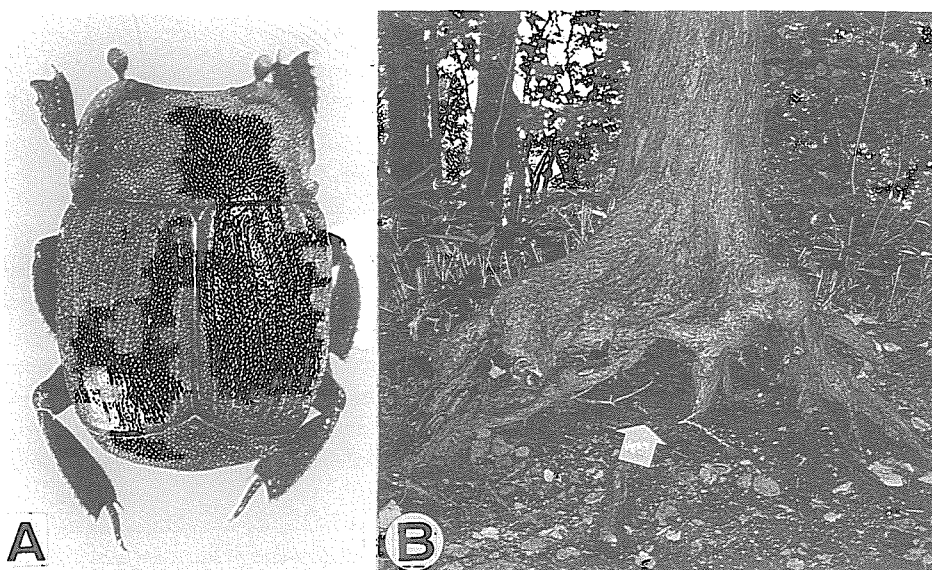


Fig. 12. *Margarinotus (Myrmecohister) maruyamai* M. Ôhara, n. sp. A: Adult, dorsal view. B: Habitat of *M. (M.) maruyamai*, at Maruyama, Sapporo, Japan. There is an entrance of the nest of *Lasius (Dendrolasius) fuliginosus* (Formicidae). By courtesy of Mr. M. Maruyama.

5. "Holo-type, *Margarinotus (Myrmecohister) maruyamai* n. sp. Det. M. Ôhara" (red label). Paratypes (SEHU). Two males and 5 females. [Hokkaidô] Same data as holotype (2 males and 2 females). [Honshû] Aomori-ken: Mt. Iwaki, Hirosaki (1 female, 3/x/1992, collected from a nest of ant, *Lasius* sp.), M. Ôhara. Yamanashi-ken: Akenomura (2 females, 15/vi/1986), N. Haraki.

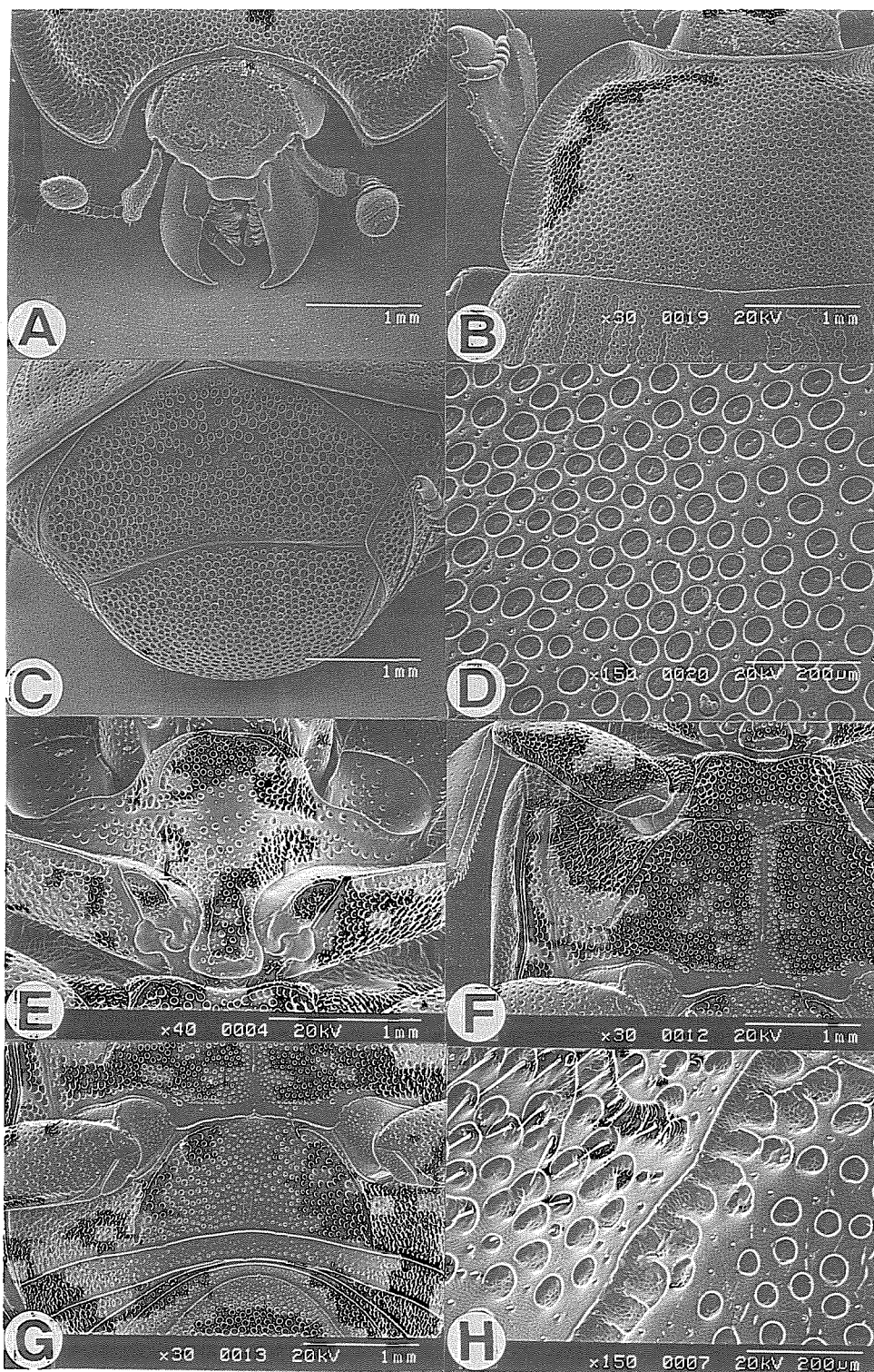
Description. Body oblong-oval, black. Biometric data are given in Table 1.

Frontal stria (Fig. 13A) absent. Disk of front feebly excavate anteriorly on each latero-median area, and densely and coarsely punctate, the punctures separated by 0.2–0.5 times their diameter and become finer along the margin. Labrum transversely oblong; the anterior half of disk depressed. Mandible stout and straight, the surface densely covered with fine punctures.

Pronotal side convergent forwards slightly on basal two-thirds, thence strongly arcuate and convergent apically. Apical angle rounded. Marginal of pronotum strongly carinate; the carination on anterior portion broad and inwardly acute at middle. Marginal pronotal, outer and inner lateral striae absent. Disk moderately convex medially, but strongly excavated on broad area along lateral and antero-lateral margins (Fig. 13B); surface densely and coarsely punctate, the punctures separated by 0.3–0.5 times their diameter and become shallower on lateral area.

Epipleural marginal stria clearly impressed on basal two-thirds, the basal end abbreviated anteriorly. Elytral marginal stria absent. Disk of epipleura feebly depressed along epipleural marginal stria, and densely covered with fine punctures that become denser and coarser outwardly. External subhumeral stria (Fig. 14A, B) complete and strongly

Fig. 13. On page 95. *Margarinotus (Myrmecohister) maruyamai* M. Ôhara, n. sp. A: Head, frontal view. B: Pronotum, dorsal view. C: Propygidium and pygidium, caudal view. D: Punctuation of pygidium. E: Prosternum, ventral view. F: Meso- and metasterna, ventral view. G: Abdominal sterna, ventral view. H: Punctuation of metasternum.



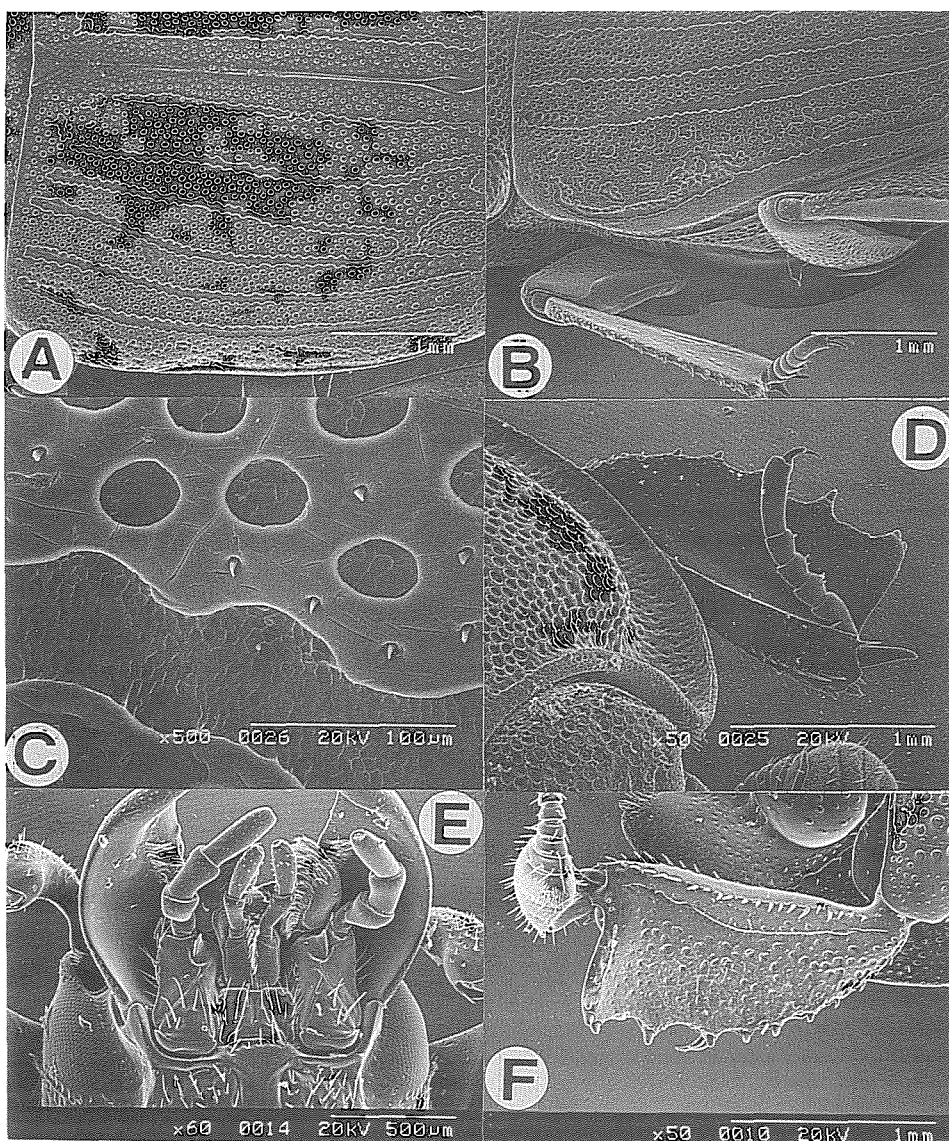


Fig. 14. *Margarinotus (Myrmecohister) maruyamai* M. Ôhara, n. sp. A: Left elytron, dorsal view. B: Ditto, lateral view. C: Punctation and a stria of left elytron. D: Right protibia, dorsal view. E: Mouth parts, ventral view. F: Right protibia, ventral view.

crinate. Internal subhumeral stria wanting. First to fifth dorsal and sutural striae complete and strongly crenulate. Surface of elytra (Fig. 14C) densely covered with coarse punctures that are separated by 0.2 to 3 times their diameter; along the posterior margin the punctures sparsely and finely punctate.

Propygidium slightly convex on each lateral side (Fig. 13C); disk densely covered with large punctures, which are about twice as large as the punctures on elytra; fine punctures present on narrow area along posterior and anterior margins. Punctuation of pygidium (Fig.



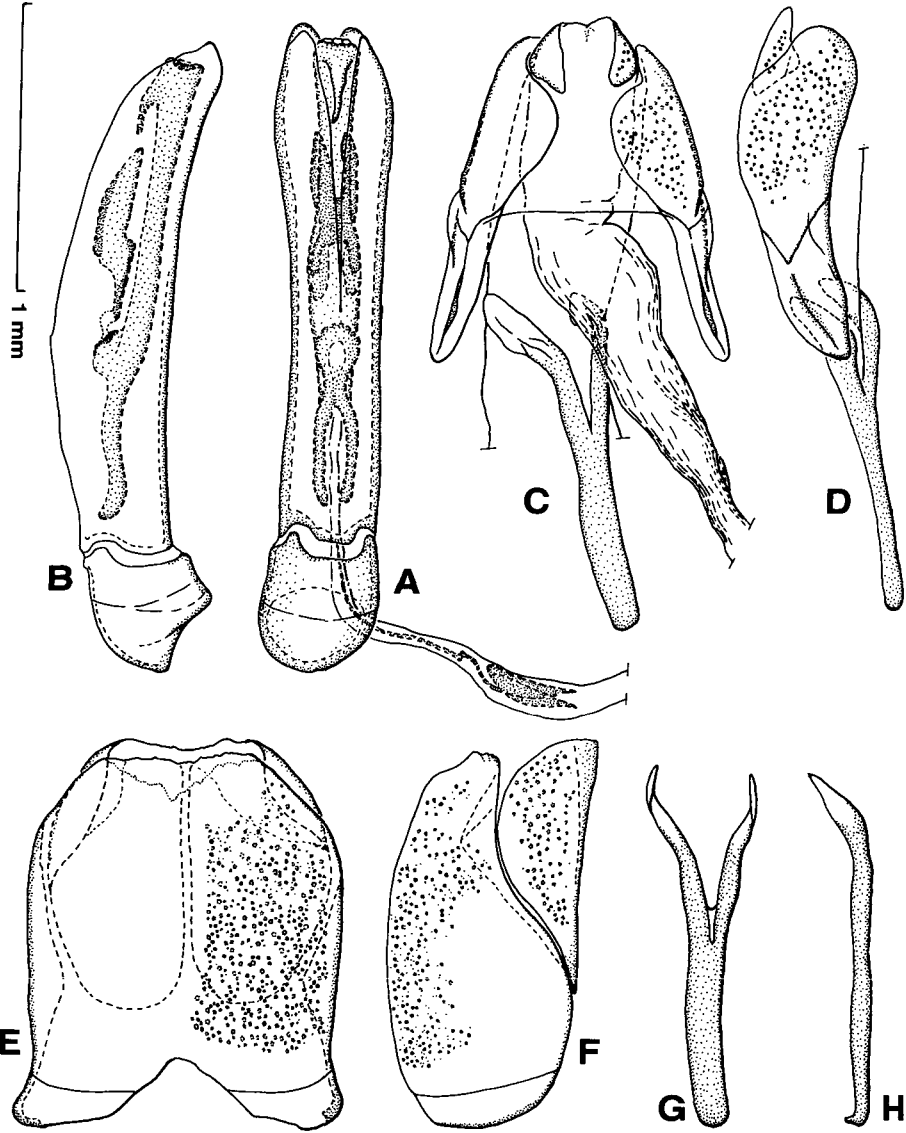


Fig. 15. *Margarinotus (Myrmecohister) maruyamai* M. Ôhara, n. sp. A: Aedeagus, dorsal view. B: Ditto, lateral view. C: Ninth and 10th tergites and 9th sternum, dorsal view. D: Ditto, lateral view. E: Eighth tergite and sternum, dorsal view. F: Ditto, lateral view. G: Ninth sternum (spicule), dorsal view. H: Ditto, lateral view.

13D) similar to that of propygidium; the punctures become sparser and finer on apical area.

Prosternal lobe (Fig. 13E) convex medially; apical margin truncate; marginal stria impressed medially; disk of lobe sparsely covered with coarse punctures that are separated by 1 to 4 times their diameter and become denser anteriorly. Prosternal keel even on top; carinal striae impressed posteriorly and strongly crenulate; disk sparsely and coarsely



Table. 1. Biometric data for *Margarinotus (Mirmecohister) maruyamai* M. Ôhara

	Male			Female		
PPL	6.62–6.76	(6.69±0.03)	3	6.97–7.31	(7.13±0.05)	5
PEL	5.93–6.21	(6.05±0.06)	3	6.28–6.69	(6.46±0.06)	5
APW	2.07–2.14	(2.12±0.02)	3	2.14–2.28	(2.18±0.02)	5
PPW	4.21–4.28	(4.23±0.02)	3	4.35–4.55	(4.43±0.03)	5
PL	2.14	(2.14)	3	2.21–2.35	(2.24±0.02)	5
EL	3.31–3.45	(3.38±0.03)	3	3.45–3.73	(3.60±0.03)	5
EW	4.69	(4.69)	3	4.83–5.11	(4.93±0.04)	5
ProW	2.97–3.04	(2.99±0.02)	3	3.17–3.38	(3.26±0.03)	5
ProL	1.38–1.45	(1.43±0.02)	3	1.31–1.52	(1.39±0.02)	5
PyL	1.73–1.86	(1.77±0.04)	3	2.00–2.07	(2.06±0.01)	5
PTL	1.59	(1.59)	3	1.66–1.79	(1.74±0.02)	5
MSTL	1.66–1.79	(1.73±0.03)	3	1.79–2.00	(1.92±0.02)	5
MTTL	2.00–2.21	(2.09±0.04)	3	2.21–2.48	(2.36±0.04)	5

punctate; lateral stria complete.

Anterior margin of mesosternum (Fig. 13F) feebly emarginate medially, its marginal stria distinctly impressed and carinate, but shortly interrupted at middle; disk sparsely covered with coarse and deep punctures that are separated by 0.5 to 2.5 times their diameter. Meso-metasternal suture well impressed and angulated at middle. Lateral metasternal stria extending obliquely and posteriorly, united with an oblique stria that inwardly extends from middle of the metasternal-metepisternal suture; lateral disk (Fig. 13H) densely covered with large, round and deep punctures with long hair, the punctures separated by 0.2–0.5 times their diameter and confused with each other on basal half. Post-mesocoxal stria of metasternum well impressed and carinate; intercoxal disk unevenly covered with coarse punctures that are separated by 0.3–2.5 times their diameter; interspace among the coarse punctures intermingled with fine punctures, these punctures become finer medio-posteriorly; narrow band along posterior margin without punctation.

Intercoxal disk of 1st abdominal sternum (Fig. 13G) completely striate laterally; sparsely and coarsely punctate, and intermingled with fine punctures among the coarse punctures; these punctures become finer medially.

Protibia (Fig. 14D, F) dilated, with weak 7 denticles on outer margin. Meso- and metatibiae strongly dilated.

Male genitalia as shown in Fig. 15; aedeagus slender; ratio of paramera length to basal piece length about 4.32.

Distribution. Japan (Hokkaidô, Honshû).

Etymology. This species is named in honor of Mr. Munetoshi Maruyama of SEHU, who gave me the opportunity to study the specimens.

Biology. The present adult specimens were collected at entrances of nests of the ant *Lasius (Dendrolasius) fuliginosus* and observed to eat adults of the ant.

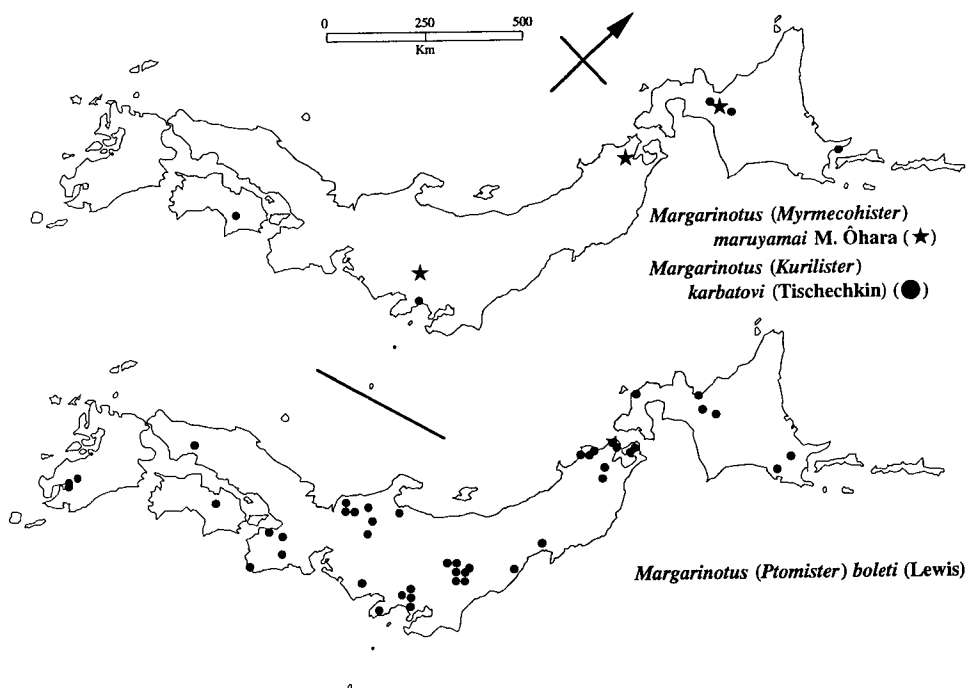


Fig. 16. Collection sites of *Margarinotus* spp. in Japan.

#### SUBGENUS KURILISTER Tishechkin, 1992

##### *Margarinotus (Kurilister) kurbatovi* (Tishechkin, 1992)

*Margarinotus (Kurilister) kurbatovi*: Ôhara, 1993b, 3.

Specimens examined [additional records].

[Hokkaidô] Proper: Nopporo, Ebetsu (1 ex., 24/vi/1994), A. Kashizaki.

[Honshû] Kanagawa-ken: Kamiyu, Hakone-machi (1 ex., 19/ix/1996), K. Kawada.

Distribution. Japan (Hokkaidô, Honshû, Shikoku); Kuril Isles (Kunashir Is.).

#### SUBGENUS PTOMISTER HOULBERT ET MONNT, 1923

##### *Margarinotus (Ptomister) boleti* (Lewis, 1884)

*Margarinotus (Ptomister) boleti*: Ôhara, 1989, 9; 1994, 139.

Specimens examined [additional records].

[Hokkaidô] Proper: Chimikeppu-ko, Tubetsu-chô, PTHB1 (3 exs., 3–17/viii/1994, HOR), S. Hori; Yûbari (1 ex., 6/viii/1990), no collector's name.

[Honshû] Aomori-ken: Towada, Hiraka-machi (1 ex., 23/vii/1967, APM), K. Shimoyama; Akaishi, Ajigasawa-machi (1 ex., 27/vii/1977; 2 exs., 5/viii/1979; APM), K. Shimoyama; Fuyubegawa, Kodomari-mura (1 ex., 25/vii/1975, APM), K. Shimoyama; Mt. Ranganomori, Ajigasawa-machi (4 exs., 20/viii/1981; 2 exs., 4/vii; 1 ex., 22/vii; 4 exs., 31/vii/1982; 1 ex., 12/vii/1983; APM), A. Abe; (1 ex., 26/vii/1977; 1 ex., 27/vii/1987), K. Shimoyama; Akaishigawa, Ajigasawa-machi (3 exs., 24/vii/1985, APM), K. Shimoyama; Tairadate-mura (1 ex., 1/viii/1977, APM), A. Fukuda; Jûniko, Iwasaki-

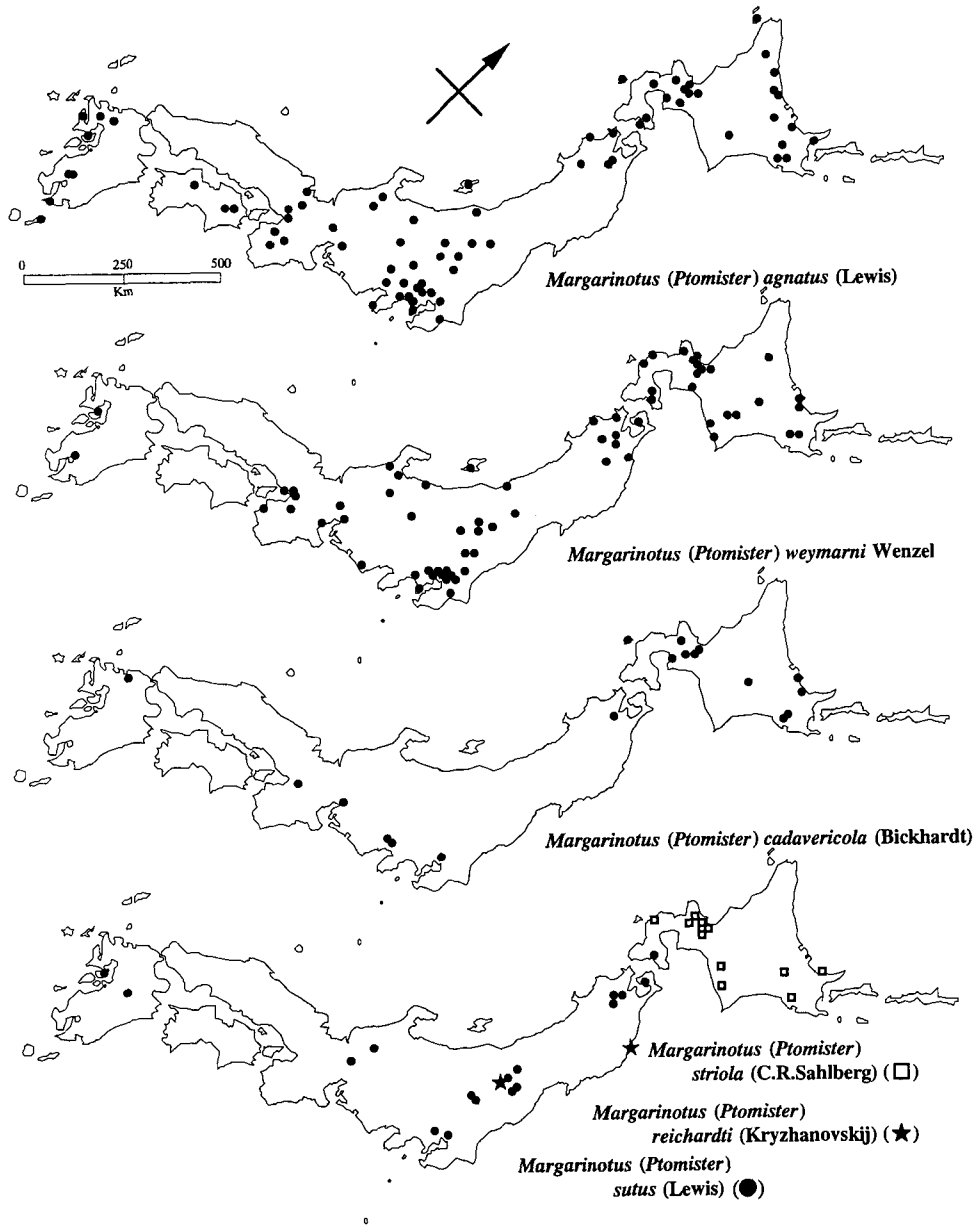


Fig. 17. Collection sites of *Margarinotus* spp. in Japan.

mura (1 ex., 10/viii/1965, APM), A. Abe; Ôishizawa, Kazamaura-mura (1 ex., 25/vii/1983, APM), K. Shimoyama; Kazamaura-mura (1 ex., 25/vii/1983, APM), S. Yamauchi; Okukaishi-rindô, Shiragami, Nishi-Tsugaru (1 ex., 10–11/viii/1991), K. Akiyama. Fukushima-ken: Mt. Iboiwayama, Nishiaizumachi (1 ex., 27/vii/1990, CBM-ZI-41265), A. Saitô. Yamanashi-ken: Sanjô – Saora, Tabayama-mura (6 exs., 17/ix/1976), J. Okuma. Tôkyô-to: Takao-san (1 ex., 24/ix/1991), K. Kawada; Mt. Takao (2 exs., 1/ix/1996), S. Tsuyuki. Shizuoka-ken: Mt. Sawaguchiyama, Sumata (1 ex., 15/vii/1978), S.

Morita; Amagi-tôge, Izu-hantô (1 ex., 16/vii/1977, IMA), M. Ishida; Sumatakyô (1 ex., 30/vii/1976, YCM), N. Ohba. Gifu-ken: Kiyomi-mura (1 ex., 20/viii/1989), Y. Takai (Takai, 1995). Niigata-ken: Yagizawa, Yuzawa (2 exs., 14/viii/1991), M. Hinakura. Ishikawa-ken: Iwama-dô, alt. 900-1,000 m, Oguchi-mura (3 exs., 31/vii/1994, collected from white mushroom), K. Nakata. Nara-ken: Ohdaigahara (3 exs., 21-22/vii/1992), T. Ueno. Wakayama-ken: Hokkaidô Univ. Exp. For. (750 m), Kozagawa (1 ex., 24/v; 3 exs., collected by non-baited pit-fall traps, 15/vii/1995), K. Mizota.

Distribution. Japan (Hokkaidô, Honshû, Shikoku, Kyûshû); Taiwan; Kuril Isles (Kunashir Is.).

*Margarinotus (Ptomister) striola striola* (C. R. Sahlberg, 1819)

*Margarinotus (Ptomister) striola striola*: Ôhara, 1989, 24; 1994, 141.

Specimens examined [additional records].

[Hokkaidô] Proper: Iwaobetsu, Shari-chô (2 exs., 29/v/1977, IJ), K. Ijima; Chimikeppu-ko, Tubetsu-chô, BM (2 exs., 22/vi-6/vii/1994, HOR), S. Hori; Hidaka-chô (1 ex., 31/v/1992), M. Ôhara; Setarai, Urahoro (1 ex., 22/vi/1998, KIT), K. Ito; Fushimisenkyô, near Kyû-hatsudensho, Memuro (1 ex., 18/vi/1998, KIT), K. Ito; Rushin, Urahoro (1 ex., 19/vi/1998, KIT), K. Ito; Nopporo (2 exs., 13/v/1973, HMH), Y. Sakamoto; Hyakumatsu-zawa, Sapporo (1 ex., 28/v/1996), K. Mizota.

[Russia: Kamchatka Pen.] Petropavlosk-Kamchatskij (1 female, 9/vii/1997, CBM), A. Saito; Bystraya River, 53°10'N 158°33'E (1 female, 10/vii/1997, CBM), A. Saito; Paratunka River (1 male, 8/vii/1997, [MO-9744], CBM), A. Saito.

Distribution. Japan (Hokkaidô); Kamchatskij Kray; northern Europe; Siberia; Korea; North-eastern China (Manchuria).

*Margarinotus (Ptomister) agnatus* (Lewis, 1884)

*Margarinotus (Ptomister) agnatus*: Ôhara, 1989, 15; 1994, 140.

Specimens examined [additional records].

[Hokkaidô] Rishiri Is.: Menushoro marsh, Minamihama (1 ex., 24/vi/1992), M. Satô. Proper: Mt. Rausu, Rausu (1 ex., 22/vii/1996), K. Mizota; Futatsuyama, Shibeche, Kushiro (1 ex., 2/vi and 5 exs., 10/vi/1994, collected from a dead body of deer; 3 males, 6/vii/1994, collected from a dead body of fox; 1 male, 30/ix/1994; 1 male, 1/x/1994; 1 male & 1 female, 2/x/1994, collected from dung of deer; 1 ex., 15/x/1995, IJ), K. Ijima; Fukayama, Kushiro-chô (3 exs., 25/vii/1997, IJ), K. Ijima; Hama-koshimizu-Kaigan (2 exs., 7/ix/1993, IJ), K. Ijima; Setarai, Urahoro, (6 exs., 22/vi/1998, KIT), K. Ito; Shirarutogawa (Ueda), Shibeche, Kushiro (1 ex., 9/vii/1998, IJ), S. Narita; Fushimisenkyô, near Kyû-hatsudensho, Memuro, (1 ex., 29/iv; 1 ex., 16/v/1998, KIT), K. Ito; Osashima, Otoineppu (1 ex., 15/vii/1996), K. Mizota; Kunneppu (1 ex., 12/vi/1995, collected from fungi, *Pleurotus cornucopiae* (Pers.) Rolland [Ticholomataceae]), A. Iwasaki; Onishi, Ômu-chô (4 exs., 21/iv-5/vii/1994, HOR), S. Hori; Kamisawaki, Ômu-chô (2 exs., 4/vii/1994, HOR), S. Hori; Marukoma-onsen, Chitose (1 ex., 11/vi/1991), K. Miyashita; Nopporo, (2 exs., 13/v; 2 exs., 15/v; 1 ex., 23/v; 2 exs., 2/vi/1973, HMH), Y. Sakamoto; Jôzankei, Sapporo (2 exs., 2/vii/1994, SA), K. Sasaki; Niimi-tôge, Kyôwa, (1 ex., 2/viii/1997, SA), K. Sasaki; Kenashiyama, Otaru (1 ex., 9-23/vii/1994, SA), K. Sasaki; Makomanai, Sapporo (1 ex., 24/viii/1995, SA), K. Sasaki; Igarashi, Kuromatsunai (1 ex., 3/vi/1996, SA), K. Sasaki.

[Honshû] Aomori-ken: Osaki, Hiraka-machi (1 ex., 2/vii/1972, APM), A. Abe; Oirasegawa, Fukaura-machi (4 exs., 9/vi/1979, APM), A. Abe; Kodomari-mura (2 exs., 14/viii/1976, APM), A. Abe; Araya, Hiraka-machi (1 ex., 26/v/1973, APM), A. Satoh; Sukayu, Mts. Hakkôda (1 ex., 2/vi/1972, APM), K. Shimoyama; Mt. Yasuteyama, Hiraka-machi (1 ex., 5/vi/1973, APM), A. Satoh; Hiraka-machi (1 ex., 27/v/1973, APM), A. Satoh. Akita-ken: Moriyoshiyama (1 ex., 16/vi/1992,

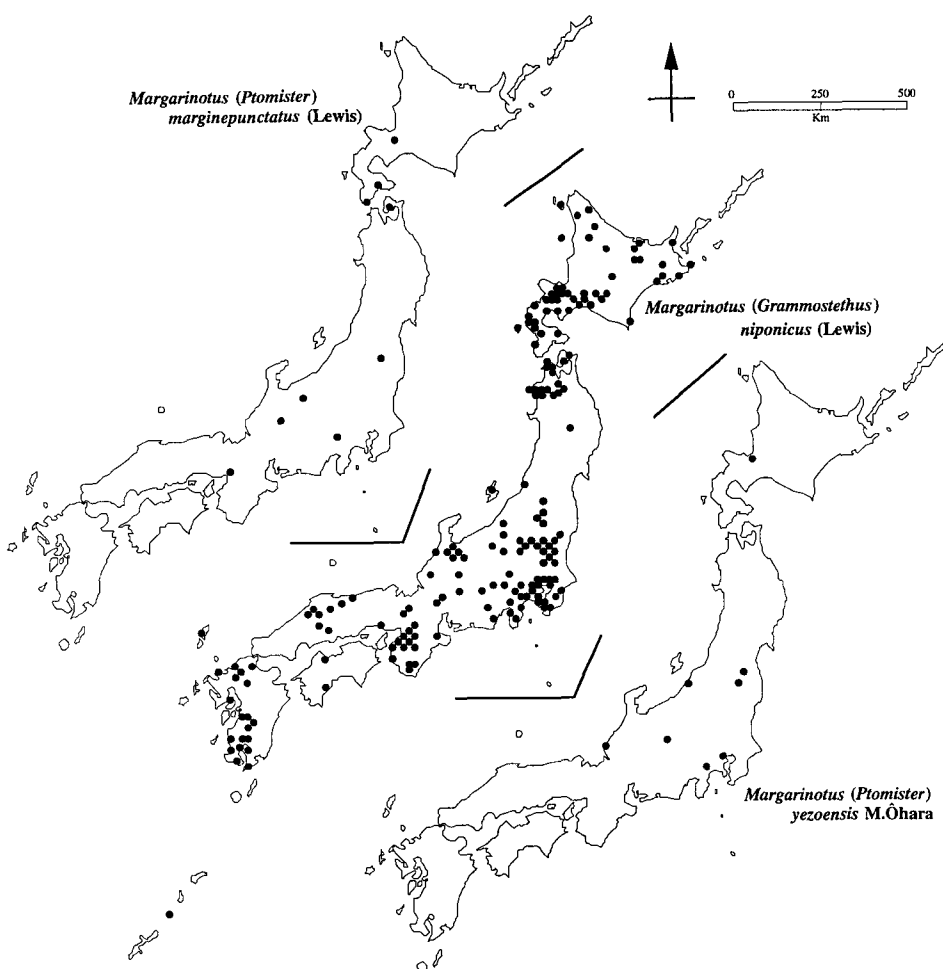


Fig. 18. Collection sites of *Margarinotus* spp. in Japan.

YCM), H. Kikuchi. Saitama-ken: Asaka (2 exs., 25/v/1967), K. Sugiyama. Chiba-ken: Ôami, Sanbun-gun (6 exs., 23/v/1994), M. Ôhara; Joza (#2623), Sakura-shi (1 ex., 2–9/x/1997, carrion baited trap, CBM), M. Maruyama and M. Sano; Hatori (#2655) (1 ex., 29/ix–2/x/1997, carrion baited trap, CBM), M. Maruyama and M. Sano; Iizuka (#3439), Sakura-shi (1 ex., 27–29/ix/1997, carrion baited trap, CBM), M. Maruyama and M. Sano; Azeta (#2643), Sakura-shi (1 ex., 20/x/1997, carrion baited trap, CBM), M. Maruyama. Kanagawa-ken: Kamiyama, Hakone (1 male, 28/vii/1977, IMA), M. Ishida; Mts. Tanzawa (1 ex., 14/vii/1980, YCM), N. Ohba; Hikibashi, Miura (1 ex., 9/vi/1979, YCM), N. Ohba. Shizuoka-ken: Nishiyama, Shibakawa-chô, Fuji-gun, 15/ix/1995 (1 ex.), S. Mochizuki. Yamanashi-ken: Amari-yama, Nirasaki (1 ex., 1/viii/1992), K. Haga. Nagano-ken: Shimashima-dani (1 ex., 18/vii/1939), K. Kurosa. Kyôto-fu: Yohoro-dani, Maizuru (2 exs., 18/vi/1994), T. Itoh. Nara-ken: Tenkawa-mura (1 ex., 9/vii/1990, CBM-ZI-41502), A. Saitô; Obako-dake, Nosegawa-mura, Yoshino-gun (1 ex., 7/vii/1995), T. Itoh. Ôsaka-fu: Kongô-san, Chihaya-akasaka (1 ex., 28/v/1994), T. Itoh; Ibaraki, Ôsaka (1 ex., 5–6/viii/1992), Y. Nishikawa.

[Shikoku] Tokushima-ken: Takashiro-yama, Naka-gun (8 exs., 12–14/vii/1996), T. Itoh.

[Kyûshû] Saga-ken: Suga Shrine, Ogi-machi (1 ex., 26/iv/1985), S. Nomura. Kagoshima-ken: Henzuka, Sata (1 ex., 1/v/1992), K. Haga.

[Nansei Isles] Tanegashima: Izeki (1 ex., 4/x/1984), M. Ôhara.

Distribution. Japan (Hokkaidô, Honshû, Shikoku, Kyûshû, Nansei Isles); Himalaya; northern India; Korea. New to Nansei Isles.

*Margarinotus (Ptomister) weymarni* Wenzel, 1944

*Margarinotus (Ptomister) weymarni*: Ôhara, 1989, 19; 1994, 140.

Specimens examined [additional records].

[Hokkaidô] Proper: Futatsuyama, Shibechea, Kushiro (1 female, 30/ix/1994; 1 male, 2/x/1994; 1 ex., 30/viii/1998, collected around Shiitake mushroom, IJ), K. Ijima; Memuro, AES (1 ex., 22/viii/1991), H. Torikura; Niyama, Ohno (1 ex., 8/viii/1965), M. Nishikawa; Nopporo (1 ex., 21/vii/1973 HMH), Y. Sakamoto; Nopporo (2 exs., 30/v/1992), M. Ôhara; Mt. Hakodate-yama, Hakodate, 3/v/1969 (1 ex.), M. Nishikawa; Moiwa, Tomari, 21/v/1994 (1 ex., SA), K. Sasaki; Shioya, Otaru, 29/iv/1994 (4 exs., SA), K. Sasaki.

[Honshû] Aomori-ken: Nakasato-machi (1 ex., 13/ix/1965, APM), J. Kon; Oirasegawa, Fukaura-machi (1 ex., 17/viii/1975; 1 ex., 16/vi/1978; APM), A. Abe; Chikagawa, Mutsu-shi (1 ex., 29/iv; 1 ex., 2/vii; 1 ex., 6/vii/1982; APM), K. Shimoyama & A. Satoh; Mt. Yasuteyama, Hiraka-machi (1 ex., 17/v/1964, collected from a carcass of snake, APM), A. Satoh. Saitama-ken: Showa-machi (1 ex., 8/viii/1974), K. F.; Asaka (1 ex., 25/v/1967), K. Sugiyama. Chiba-ken: Tone river, Kioroshi (1 ex., 12/iv/1986, CBM-ZI-52408), H. Yamazaki; Kashiwa (1 ex., 5/xi/1994), K. Masumoto. Tôkyô-to: Ekoda (1 ex., 11/vii/1964), Y. Kurosa. Kanagawa-ken: Hayama (1 ex., iii, YCM), N. Ohba. Niigata-ken: Kurokawa, northern Echigo (1 ex., 24/v/1989), K. Baba. Hyôgo-ken: Kôbe (2 exs., iv-v/194; 1 ex., 1941), K. Kurosa; Muko-mura, Amagasaki (1 ex., 11/xi/1939), K. Kurosa.

Distribution. Japan (Hokkaidô, Honshû, Shikoku, Kyûshû); Khabarovskij and Primorskij Kray; North-eastern China (Manchuria); Korea.

*Margarinotus (Ptomister) marginepunctatus* (Lewis, 1884)

*Margarinotus (Ptomister) marginepunctatus*: Ôhara, 1989, 31; 1994, 141.

Specimens examined [additional records].

[Hokkaidô] Proper: Hokudai-kônai, Kita-ku, Sapporo, 8/vi/1994 (1 female, from ant nest of *Lasius (Dendrolasius) fuliginosus*, HOR), S. Hori; Toyooka, Matsumae, 24/v/1997 (1 ex., collected by beating on flower of *Elaeagnus umbellata*, SA), K. Sasaki.

Distribution. Japan (Hokkaidô, Honshû, Shikoku).

*Margarinotus (Ptomister) cadavericola* (Bickhardt, 1920)

*Margarinotus (Ptomister) cadavericola*: Ôhara, 1989, 13; 1994, 139.

Specimens examined [additional records].

[Hokkaidô] Proper: Hama-koshimizu, Koshimizu (1 ex., 7/ix/1993, IJ), K. Ijima; Koshimizu, shore line (2 exs., 7/vii/1993, IJ), K. Ijima; Futatsuyama, Shibechea, Kushiro (4 exs., 7/ix/1993; 1 ex., 14/ix/1996; 1 ex. and 2 females, 30/ix/1994; 3 females, 1/x/1994; 1 male, 2/x/1994, collected from dung of deer, IJ), K. Ijima; Katayama camp site, Abashiri (1 ex., 8/ix/1998, collected from fungi, Polyporaecae, IJ), K. Ijima; Makomanai, Sapporo (4 exs., 24/viii/1995, SA), K. Sasaki.

[Honshû] Chiba-ken: Joza (#2623), Sakura-shi (1 ex., 25-27/ix/1997; 9 exs., 27/ix-2/x/1997; 4 exs., 2-4/x/1997; carrion baited trap, CBM), M. Maruyama and M. Sano; (3 exs., 2-6/x/1997, carrion baited trap, CBM), M. Maruyama; Hatori (#2655), Sakura-shi (1 ex., 29/ix-2/x/1997, carrion baited

trap, CBM), M. Maruyama and M. Sano; Koshinozuka (#2688), Sakura-shi (1 ex., 27/ix-2/x/1997, carrion baited trap, CBM), M. Maruyama and M. Sano; Nishimikado (#3540), Sakura-shi (1 ex., 2-9/x/1997; 2 exs., 25-27/ix/1997; carrion baited trap, CBM), M. Maruyama and M. Sano; Iizuka (#3439), Sakura-shi (1 ex., 2-9/x/1997, CBM; 1 ex., SEHU; 1 ex., 25-27/ix/1997, SEHU; 1 ex., 29/ix-2/x/1997, CBM; 1 ex., SEHU, carrion baited trap), M. Maruyama and M. Sano; Azeta (#2643), Sakura-shi (3 exs., 20/x/1997, CBM; 1 ex., SEHU, carrion baited trap), M. Maruyama; Tamachi (#2637), Sakura-shi (1 ex., 23-25/x/1997, carrion baited trap, CBM), M. Maruyama. Shizuoka-ken: Nishiyama, Fuji-gun (3 exs., 15/ix/1995), S. Mochizuki.

Distribution. Japan (Hokkaidô, Honshû, Kyûshû); Kuril Isles; Primorskij Kary; continental China.

*Margarinotus (Ptomister) sutus* (Lewis, 1884)

*Margarinotus (Ptomister) sutus*: Ôhara, 1989, 34; 1994, 142.

Specimens examined [additional records].

[Honshû] Aomori-ken: Mt. Yasuteyama, Hiraka-machi (1 ex., 6/v/1982, APM), K. Shimoyama; Aoni, Kuroishi-shi (1 ex., 19/v/1940, APM), K. Shimoyama. Fukushima-ken: Moniwa (1 ex., 5/v/1998) T. Shimano. Fukui-ken: Ikegahara, Ôno (1 ex., 4/vi/1989), Y. Takai (Takai, 1995).

Distribution. Japan (Honshû, Shikoku, Kyûshû); Korea.

*Margarinotus (Ptomister) yezoensis* M. Ôhara, 1989

*Margarinotus (Ptomister) yezoensis*: Ôhara, 1989, 27; 1994, 141.

Specimens examined [additional records].

[Honshû] Fukushima-ken: Akiba, Iizaka, Fukushima City (1 ex., 27/vii/1993), K. Tazoe.

Distribution. Japan (Hokkaidô, Honshû).

SUBGENUS GRAMMOSTETHUS LEWIS, 1906

*Margarinotus (Grammostethus) niponicus* (Lewis, 1895)

*Margarinotus (Grammostethus) niponicus*: Ôhara, 1989, 37; 1994, 142.

Specimens examined [additional records].

[Hokkaidô] Proper: Mt. Rausu, Rausu (1 ex., 22/vii/1996), K. Mizota; Mt. Horoiwa, Saroma (5 exs., 24/vii/1996), K. Mizota; Futatsuyama, Shibeche, Kushiro (5 exs., 3/vii/1993; 3 exs., 3/vii/1994; 4 exs., 6/vii/1994, collected from a dead body; 1 ex., 3/vii/1994, collected from a dead body; 2 exs., 6/vii/1994, collected from a dead body of fox; 1 ex., 25/vii/1997, IJ), K. Ijima; Kunneppu (3 exs., 5/vii; 2 exs., 27/vii/1994, collected from fungi, *Pleurotus cornucopiae* (Pers.) Rolland [Ticholomataceae]), A. Iwasaki; Wakayama-numa, Hama-naka-chô (1 ex., 26/vi/1981, IJ), K. Ijima; Tôroko, Higashi-Kyûryô, Shibeche, Kushiro (5 exs., 12/vi/1994, IJ), K. Ijima; Chimikeppu-ko, Tubetsu-chô, B4 (1 ex., 3-17/viii/1994, HOR), S. Hoti; Sôunkyô, Kamikawa-chô (1 ex., 30/vii/1989, APM), A. Abe; Arashiyama camp, Memuro, (2 exs., 22/v; 3 exs., 30/v; 2 exs., 7/vi/1998, KIT), K. Ito; Rushin, Urahoro, (2 exs., 6/vi/1998, KIT), K. Ito; Higashi-hiroogawa-rindo, Hiroo, (1 ex., 28/vi/1998, KIT), K. Ito; Fushimisenkyô, near Kyû-hatsudensho, Memuro, (1 ex., 22/v/1998, KIT), K. Ito; Setarai, Urahoro (5 exs., 22/vi; 1 ex., 5/vii/1998, KIT), K. Ito; Shin-yûbari (7 exs., 11/vi/1992), M. Ôhara; Meguro, Saruru River, Erimo-Town (4 exs., 29/vi/1996), K. Mizota; Yûbari (9 exs., 6/viii/1990), no collector's name; Marukoma-onsen, Chitose (7 exs., 11/vi/1991), K. Miyashita; Nopporo (1 ex., 11/viii/1973, HMH), Y. Sakamoto; (1 ex., 29/vi; 1 ex., 19/vii; 11 exs., 2/viii/1996), H. Matsumoto; Naebo, Nagahashi, Otaru (1 ex., 4/vi; 4 exs., 18/vii; 3 exs., 23/vii; 4 exs., 30/vii; 1 ex., 7/

viii/1992), M. Ôhara; Hagino, Shiraoi (6 exs., 11/vi/1995), K. Okazaki; Junsainuma (1 ex., 27/vi/1986), S. Morita; Kenashiyama, Otaru (1 ex., 9-23/vii/1994, SA), K. Sasaki; Nakanoshima, Tôyako, Date (2 exs., 12-30/vi/1994, SA), K. Sasaki; Toyohama, Shimamaki (1 ex., 3-13/vii/1996, SA), K. Sasaki; Mikawa, Yuni (1 ex., 27/v-10/vi/1995, SA), K. Sasaki; Tairahama, Taisei (1 ex., 26/vi/1994, SA), K. Sasaki; Igarashi, Kuromatsunai (2 exs., 13-19/vi/1996, SA), K. Sasaki; Tomioka, Tôya (1 ex., 12/vii/1996, SA), K. Sasaki; Makomanai, Sapporo (2 exs., 24/viii/1995, SA), K. Sasaki; Shunkubai, Chitose (1 ex., 16/vi/1992, SA), K. Sasaki; Futoro, Taisei (3 exs., 26/vi-2/vii/1994, SA), K. Sasaki; Hangetsuko, Kutchan (1 ex., 11/vii/1996, SA), K. Sasaki; Obira, Shimamaki (1 ex., 18/vi-2/vii/1994), K. Sasaki; Motoyama, Esashi (2 exs., 25/vi/1994, SA), K. Sasaki.

[Honshû] Aomori-ken: Akaishi, Ajigasawa-machi (6 exs., 27/vii/1977, APM), K. Shimoyama; Fuyubegawa, Kodomari-mura (1 ex., 18/v; 1 ex., 25/vii/1975; APM), K. Shimoyama; Ôminato, Mutsu-shi (1 ex., 4/vii/1979, APM), A. Satoh; Mt. Rangannomori, Ajigasawa-machi (1 ex., 19/vi/1983; 1 ex., 28/vii/1984; 1 ex., 24/vii/1986; APM), A. Abe; Jûniko, Iwasaki-mura (6 exs., 23/v/1967, APM), A. Abe; (1 ex., 10/viii/1994, APM), S. Yamauchi; (9 exs., 5/viii/1986), S. Morita; Mt. Ôkuradake, Kanagi-machi (1 ex., 25/vii/1979, APM), A. Abe; Chikagawa, Mutsu-shi (3 exs., 3/vii; 6 exs., 6/vii/1982; APM), K. Shimoyama & A. Satoh; Akaishigawa, Ajigasawa-machi (1 ex., 9/vi/1974, APM), A. Abe; (1 ex., 25/vii/1985, APM), K. Shimoyama; Akaishi, Ajigawasa-machi (2 exs., 13/vi/1981, APM), A. Abe; Oirase, Fukaura-machi (1 ex., 15/vi/1973; 1 ex., 14/vi/1975; 1 ex., 14/vi; 4 exs., 18/vi/1977; 5 exs., 9/vi; 1 ex., 25/vi; 1 ex., 2/vii/1979; APM), A. Abe; (1 ex., 17/vi/1977, APM), K. Shimoyama; Heiroke, Hiraka-machi (1 ex., 28/vii/1966, APM), A. Abe; Mt. Tamashimizu, Kanita-machi (1 ex., 10/vi/1978, APM), A. Abe; Dake, Mt. Iwakisan (1 ex., 15/viii/1966, APM), A. Abe; Kodomari-mura (3 exs., 26/vii/1975; 3 exs., 14/vii/1976; APM), A. Abe; Zatôishi, Hirosaki-shi (3 exs., 5/vi/1979, APM), A. Abe; Kazamaura-mura (1 ex., 25/vii/1983, APM), A. Abe; Ôishizawa, Kazamaura-mura (1 ex., 25/vii/1983, APM), A. Abe; Chikagawa, Mutsu-shi (13 exs., 11/vi; 1 ex., 16/vi; 12 exs., 4/vii; 21 exs., 6/vii; 1 ex., 9/vii; 27 exs., 27/vii; 1 ex., 18/viii/1982; APM), K. Shimoyama & A. Satoh; Mt. Kamafuseyama, Mutsu-shi (5 exs., 27/v; 5 exs., 3/vii; 8 exs., 4/vii/1979), K. Shimoyama & A. Satoh; Futatsumori, Kuroishi-shi (3 exs., 8/vii; 3 exs., 10/vii; 1 ex., 14/vii/1971; APM), K. Shimoyama; Jûniko, Iwasaki-mura (1 ex., 20/vi; 1 ex., 17/viii/1964; APM), K. Shimoyama; Takanozaki, Imabetsu-machi (1 ex., 31/vii/1977, APM), K. Shimoyama; Kanita-machi (1 ex., 10/vi/1978, APM), K. Shimoyama; Nurukawa, Hiraka-machi (13 exs., 30/v/1976, APM), K. Shimoyama; Araya, Hiraka-machi (1 ex., 11/vi/1975; 1 ex., 3/vi/1976; APM), K. Shimoyama; Towada, Hiraka-machi (1 ex., 12/vi/1955; 3 exs., 25/vi/1964; APM), K. Shimoyama; Mt. Yasuteyama, Hiraka-machi (2 exs., 17/v/1964, APM), K. Shimoyama; Aoni, Kuroishi-shi (1 ex., 3/vii/1965, APM), K. Shimoyama; Hiraka-machi (1 ex., 29/v/1972; 1 ex., 7/vi/1973; APM), K. Shimoyama; Nurukawa spa. (1 ex., 23/vi/1979), S. Morita. Tochigi-ken: Nishinasuno (1 ex., 20-21/vi/1988), K. Konishi. Gumma-ken: Yuhiso-gawa, right-side shore 800 m, Minakami-chô (3 exs., 25/vi/1995, collected from human excrement), K. Haga. Chiba-ken: Mt. Kiyosumi, Awa (1 ex., 28/viii/1986, CBM-Z-62287), H. Yamazaki; Miyakubo, Ichikawa-shi (1 ex., 17/vii/1981, CBM-Z-62286), H. Yamazaki; Tomisan (1 ex., 23/iv/1972), S. Morita; Aoba-chô, Chiba-shi (4 exs., 22/vii/1994, CBM), Y. Hagino; Santarou, Kimitsu-shi (1 ex., 21/vi/1990, CBM-ZI-37806), A. Saitô; Kasamori-Nomigane, Chônan-machi (1 ex., 7/v/1991, CBM-ZI-21145), S. Naomi; Hirayama-chô, Midori-ku, Chiba-shi (1 ex., 11/iv/1994, CBM-ZI-66834), A. Saitô; Ôami (1 ex., 23/v/1994), M. Ôhara; Joza (#2623), Sakura-shi (1 ex., 27/ix-2/x; 1 ex., 2-4/x/1997; carrion baited trap, CBM), M. Maruyama and M. Sano; (5 exs., 23/x-12/xi/1997, CBM; 5 exs., SEHU), M. Maruyama; Goudo (#2698), Sakura-shi (5 exs., 23-25/x/1997, carrion baited trap, CBM), M. Maruyama; Iizuka (#3439), Sakura-shi (1 ex., 17/iv/1997, CBM; 1 ex., SEHU; 2 exs., 2-9/x/1997, carrion baited trap, CBM), M. Maruyama et al.; Tamachi (#2637), Sakura-shi (1 ex., 23-25/x/1997, CBM; 1 ex., SEHU, carrion baited trap), M. Maruyama. Saitama-



ken: Showa-chô (1 ex., 9/vi/1974), K. F. Tôkyô-to: Takao (2 exs., 30/v/1974, IMA), M. Ishida; Itabashi-ku (2 exs., 6/v/1959), S. Kondo. Kanagawa-ken: Mabori-kyôikuen, Yokosuka (1 ex., 27/vii/1975, YCM-I-7849; 3 exs., same date), N. Ohba; Hisagi, Zushi (1 ex., 30/iv/1963, YCM), T. Hamaguchi; Nagasawa, Yokosuka (1 ex., 20/v/1987, YCM), I. Kawashima. Yamanashi-ken: Near Masutomi spa., Sudama-chô (1 ex., 8/viii/1988, CBM-ZI-45091), H. Nagaoka. Niigata-ken: Kurokawa, northern Echigo (1 ex., 4/vi/1990), K. Baba; Yagizawa, Yuzawa (3 exs., 14/viii/1991), M. Hinakura. Shizuoka-ken: Kan'nami-chô (1 ex., 25/viii/1993; 1 ex., 27/v/1996; 2 exs., 30/viii/1996, collected from sap of *Alnus sieboldiana* Matsumura), K. Tazoe; Mt. Sawaguchiyama, Sumata (1 ex., 15/vii/1978), S. Morita; Soga-shinrin-kôen, Atami-shi (3 exs., 6–8/vii/1988, CBM-ZI-28380, -28381, -28387; 2 exs., 17–19/v/1988, CBM-ZI-28750, -28740), S. Saitô. Nagano-ken: Meshimoriyama, Saku (1 ex., 17/vii/1978, IMA), M. Ishida. Gifu-ken: Uzueya, Kokufu, (3 exs. 28–31/viii/1990), T. Takai (Takai, 1995); Yamanaka, Myôgata (1 ex., 10/viii/1989), Y. Takai (Takai, 1995). Ôsaka-fu: Kongô-san, Chihaya-akasaka (1 ex., 28/v/1994), T. Itoh. Nara-ken: Kasugayama (1 ex., 3/v/1960, IMA), no collector's name; Arakami, Nosegawa-mura, Yoshino-gun (2 exs., 10/vii/1995), T. Itoh; Obako-dake, Nosegawa-mura, Yoshino-gun (3 exs., 7/vii/1995), T. Itoh; Omata, Nosegawa-mura, Yoshino-gun (2 exs., 6/vii/1995), T. Itoh. Ishikawa-ken: Iwama-dô, alt. 900–1000m, Okuchi-mura (1 ex., 31/vii/1994, collected from white mushroom), K. Nakata. Ishikawa-ken: Osugidani, Shiramine (2 exs., 3, 21/vi/1991), K. Nakata; Tsukiura, Kanazawa (1 ex., 12/viii/1990), I. Togashi; Shizima, Kanazawa (1 ex., 30/v/1991), I. Hashimoto (3 exs., 17, 26/viii/1992), K. Nakata; Naruwa, Kanazawa (1 ex., 26/viii/1992), K. Nakata. Wakayama-ken: Kouno-san, Itsu-gun, Wakayama (1 ex., 5/viii/1993), T. Itoh; Inahara, Inami-chô, Hidaka-gun (2 exs., 12/vii/1993), M. Yoshida; Hokkaidô Univ. Exp. For. (450 m), Kozagawa (1 ex., 6/viii; 5 ex., 13/viii; 1 ex., 27/viii; 1 ex., 2/ix/1995, collected by non-baited pit-fall traps), K. Mizota; Hokkaidô Univ. Exp. For. (750 m), Kozagawa (1 ex., 15/vii; 4 exs., 30/vii; 1 ex., 13/viii; 3 exs., 20/viii; 1 ex., 27/viii/1995, collected by non-baited pit-fall traps), K. Mizota. Tottori-ken: Mt. Daisen (1 ex., 8/vi/1991), S. Shiyake. Hiroshima-ken: Saijô-chô (1 ex., 10/vi/1991), S. Shiyake.

[Shikoku] Ehime-ken: Ishizuchi-yama (1 ex., 20/ix/1948), K. Kurosa.

Distribution. Japan (Hokkaidô, Honshû, Shikoku, Kyûshû); Khabarovskij and Primorskij Kray; North-eastern China (Manchuria); Korea.

#### GENUS PACHYLISTER LEWIS, 1904

*Pachylister* Lewis, 1904, 145 [type species: *Hister caffer* Erichson, 1834, 132. Original designation].

To include this genus, couplets in my key to the genera of the subfamily Histerinae (Ôhara, 1994: 89) should be changed as follows:

- |           |   |
|-----------|---|
| 12 (17)   | External subhumeral stria of elytron not completed.   |
| 12a (12b) | Anterior margin of labrum strongly projecting outwardly. .... Genus <i>Pachylister</i> Lewis, 1904  |
| 12b (12a) | Anterior margin of labrum round or straight, not projecting outwardly (in <i>H. congener</i> , the margin slightly projecting outwardly; see also in Ôhara, 1994: 122). |

#### *Pachylister chinensis* (Quensel in Schönherr, 1806)

(Figs. 19–21)

*Hister chinensis* Quensel in Schönherr, 1806, 88.

*Pachylister chinensis*: Lewis, 1904, 146.

Japanese name: Taiwan-ô-emmaushi.

Redescription. Body oval, convex, black and shiny except elytra; tibiae reddish brown. Biometric data are given in Table 2.

Frontal stria of head (Fig. 19B, 20A) distinctly impressed and finely crenate laterally, the middle of anterior portion weakly impressed, sometimes interrupted. Head covered with rugulose microsculpture. Mandibles well developed, with two large denticles on inner side. Anterior margin of labrum angulated outwardly at middle (Fig. 20A).

Pronotal sides (Fig. 19A, 20B) regularly arcuate and convergent apically. Apical angle obtusely angulate. Marginal pronotal stria complete laterally and broadly absent on anterior portion. Outer lateral pronotal stria impressed on apical half. Inner lateral stria deeply impressed and abbreviated on apical and basal one-sixth. Disk of pronotum covered with coriaceous microsculpture. Posterior margin of pronotum strongly sinuate and obtusely angulated posteriorly at middle. Antiscutellar area of disk with a longitudinal punctures.

Epipleural marginal stria complete and distinctly carinate ventrally; elytral marginal stria absent; disk of epipleura deeply excavated on posterior half. External subhumeral stria (Fig. 20B) present on posterior half. Oblique humeral stria lightly impressed on basal half. First to third dorsal striae deeply impressed, crenulate and complete; fourth dorsal stria abbreviated on one-eighth to one-third; fifth stria rudimentarily presented on apical third. Surface of elytra clothed with coriaceous sculpture.

Propygidium (Fig. 19C) irregularly covered with coarse-and fine punctures, the punctures separated by 1–10 times their diameter; disk wholly clothed with strigose ground microsculpture. Pygidium (Fig. 19D) densely and coarsely punctate, the punctures separated by 0.5–4 times their diameter; disk clothed with strigose ground microsculpture; posterior margin elevated.

Anterior margin of prosternal lobe (Fig. 20C) regularly round; marginal stria clearly and completely impressed and carinate; disk evenly covered with coarse punctures that are

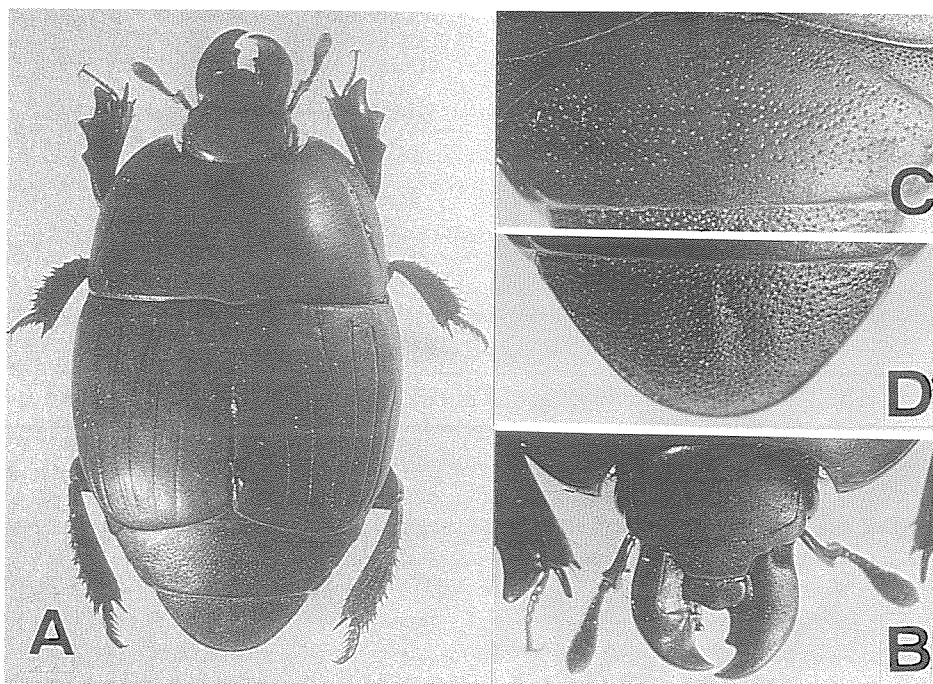


Fig. 19. *Pachylister chinensis* (Quensel). A: Adult, dorsal view. B: Head, frontal view. C: Propygidium, caudal view. D: Pygidium, caudal view.

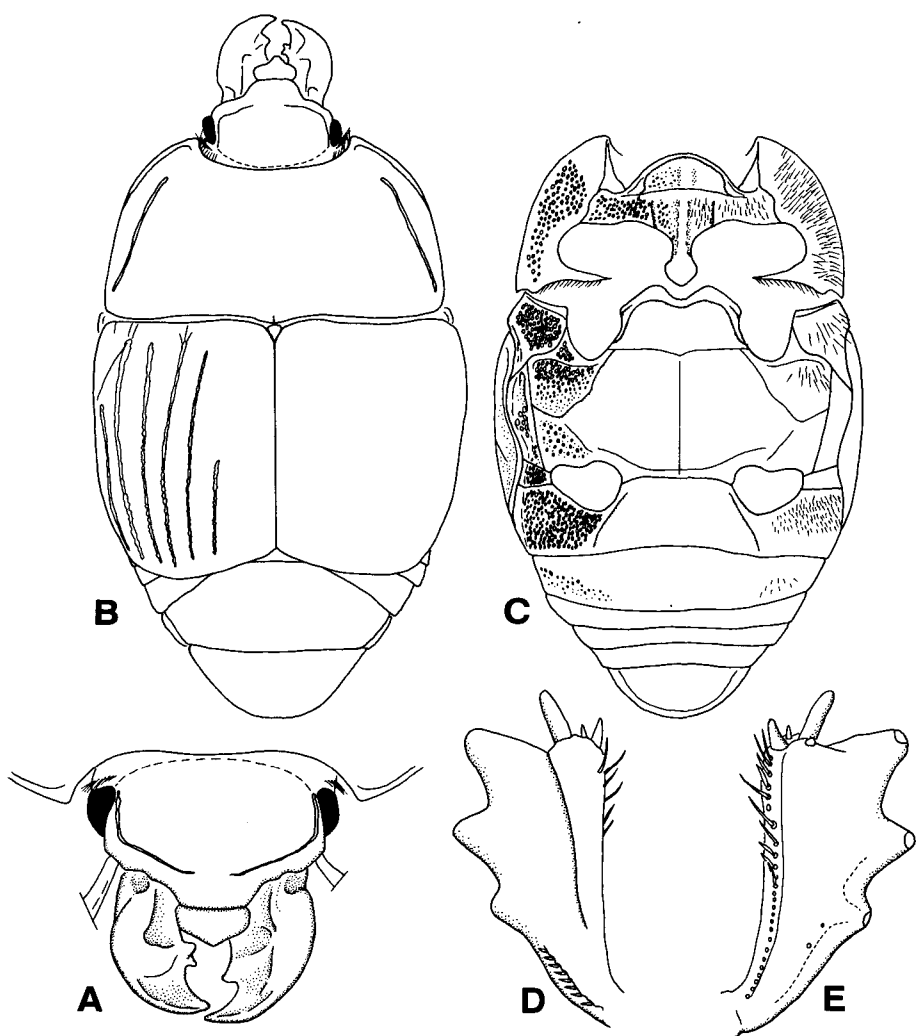


Fig. 20. *Pachylister chinensis* (Quensel). A: Head, frontal view. B: Adult, dorsal view. C: Adult, without legs, ventral view. D: Left protibia, dorsal view. E: Ditto, ventral view.

separated by 2–3 times their diameter and become sparser on middle. Prosternal keel narrow and without carinal stria; disk densely covered with coarse and large punctures on lateral area and a few punctures on top of keel. Lateral stria deeply impressed and carinate.

Anterior margin of mesosternum (Fig. 20C) strongly emarginate at middle; marginal stria well impressed, carinate and interrupted medio-laterally; another short stria present behind each anterior angle; disk covered with alutaceous sculptures. Meso-metasternal suture lightly impressed and angulated at middle. Post-mesocoxal stria of metasternum extending along posterior margin of mesocoxa, and becoming distant from the margin, the outer end attaining at outer angle of metasternum; lateral metasternal stria clearly impressed and strongly carinate, obliquely extended posteriorly, and united with oblique stria that is carinate and inwardly extends from the middle of metasternal-metepisternal suture; sculptures of intercoxal disk similar to that of mesosternum; anterolateral disk densely

Table 2. Biometric data for *Pachylister chineneis* (Quensel)

	Male		Female	
PPL	77.3–106.0	(93.6±2.06) 11	86.5–113.0	(97.4±2.35) 9
PEL	64.9–87.6	(78.3±1.75) 11	69.0–90.6	(79.3±1.76) 9
APW	22.7–31.9	(27.5±0.87) 11	23.7–29.9	(26.8±0.53) 9
PPW	49.4–69.0	(60.5±1.45) 11	54.6–67.0	(60.2±1.27) 9
PL	22.7–31.9	(27.9±0.71) 11	22.7–34.0	(28.2±0.97) 9
EL	33.0–41.0	(37.9±0.83) 11	36.1–44.3	(39.7±0.59) 9
EW	52.5–72.1	(63.9±1.41) 11	57.5–73.1	(64.7±1.42) 9
ProW	32.0–43.3	(38.0±0.71) 11	34.0–44.3	(38.8±0.92) 9
ProL	10.3–17.5	(13.3±0.51) 11	13.4–16.5	(14.8±0.28) 9
PyL	12.4–19.6	(16.7±0.41) 11	16.5–19.6	(17.9±0.43) 9
PTL	18.5–26.8	(23.1±0.69) 11	20.6–26.8	(23.1±0.51) 9
MSTL	13.4–20.6	(16.9±0.48) 11	15.5–20.6	(17.1±0.52) 9
MTTL	19.6–27.8	(23.9±0.68) 11	20.6–28.8	(24.3±0.71) 9

covered with deep, large and setiferous punctures, the punctures becoming finer and sparser inwardly; posterolateral disk densely and coarsely punctate.

Intercostal disk of first abdominal sternum with sculpture similar to that of the intercostal disk of mesosternum; lateral stria deeply impressed, sinuate and shortened on basal third.

Protibia (Fig. 20D, E) with 3 large denticles on outer margin, the apicalmost denticle with 2 spines. Meso- and metatibiae with 2 rows, each consisting of 10–13 stout spines. Profemoral stria complete and strongly carinate.

Male genitalia as shown in Fig. 21. Aedeagus of male genitalia slender; basal piece small; ratio in length of paramera to basal piece about 3.9.

Specimens examined.

[Nansei Isles] Ishigaki Is.: Sakieda (2 exs., 28/x/1994, collected from cow dung), S. Hori; Tomino (32 exs., 26/iii/1994, collected from cow dung), K. Toyoda; Omoto (2 exs., 26/iii/1994, collected from cow dung), K. Toyoda. Iriomote Is.: Toyoura (2 exs., 20/iii/1998, collected from cow dung), M. Maruyama; Funaura (1 ex., 19/iii/1998, collected from cow dung), M. Maruyama.

Remarks. This species is common in Taiwan. As it had not been recorded from southwestern Japan until 1994, the species may have been introduced from Taiwan. It is now common under cow dung in Ishigaki and Iriomote Iss., Japan.

This species can easily be distinguished from all Japanese members of the tribe Histerini, in addition to the character on the labrum, by the following combination of character-states: large body size, strongly developed mandibles, absence of anterior portion of marginal and lateral pronotal striae, and elytra covered with frosty microsculpture.

Distribution. Japan (Nansei Isles: Ishigaki Is., Iriomote Is.); Korea; Taiwan; continental China; eastern India; Oriental Region. Introduced to Fuji; Samoa; Australia; Hawaii. New to Japan.

#### GENUS *ATHOLUS* THOMSON, 1859

##### *Atholus depistor* (Marseul, 1873)

*Atholus depistor*: Ôhara, 1993, 137.

Specimens examined [additional records].

[Honshû] Chiba-ken: Odake (#2623), Sakura-shi (1 ex., 12/ix/1997, CBM), M. Maruyama and

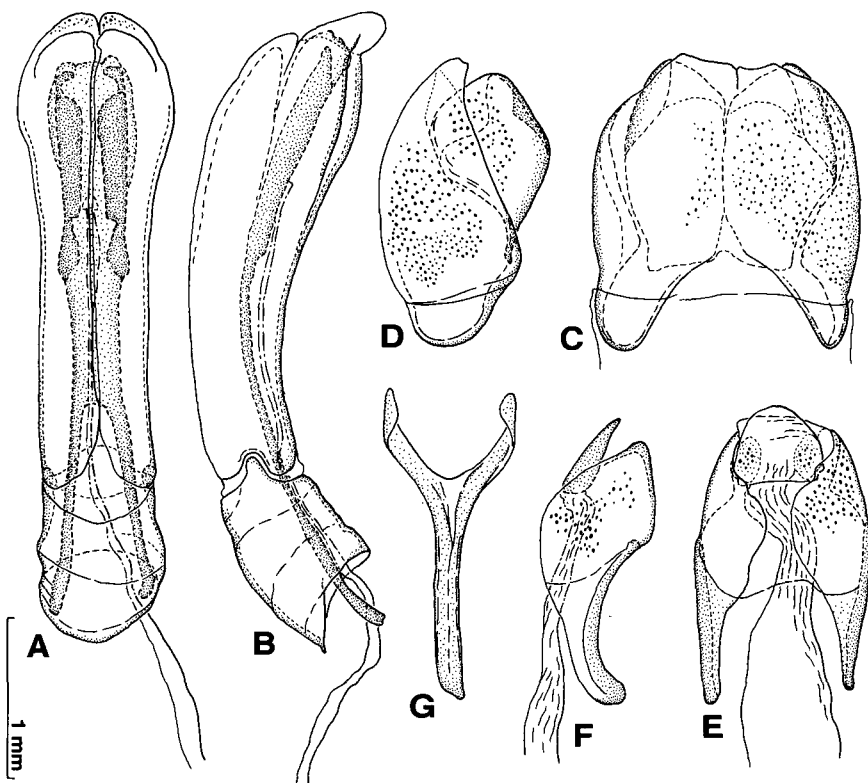


Fig. 21. *Pachylister chinensis* (Quensel). Male genitalia. A: Aedeagus, dorsal view. B: Ditto, lateral view. C: Eight tergite and sternum, dorsal view. D: Ditto, lateral view. E: Ninth and 10th tergites, dorsal view. F: Ditto, lateral view. G: Ninth sternum (spicule), dorsal view.

M. Sano; Iizuka (#3439), Sakura-shi (1 ex., 29/ix–2/x/1997, carrion baited trap, CBM), M. Maruyama et M. Sano. Kanagawa-ken: Jyusan-toge, Nagaura, Yokosuka (1 ex., 2/iv/1963, YCM), T. Hamaguchi. [Nansei Isles] Iriomote-jima: Uehara (15 exs., 15/ix/1993, collected from cow dung), M. Ôhara. Distribution. Japan (Hokkaidô, Honshû, Shikoku, Kyûshû, Nansei Isles); Korea; south-eastern China; Taiwan; Primorskij Kray; Siberia.

*Atholus coelestis* (Marseul, 1857)

*Atholus coelestis*: Ôhara, 1992c, 173; 1994, 137.

Specimens examined [additional records].

[Nansei Isles] Iriomote-jima: Uehara (26 exs., 15/ix/1993, collected from cow dung), M. Ôhara; Shiraitani-rindô (1 ex., 13/ix/1993), M. Ôhara.

Distribution. Japan (Nansei Isles); Taiwan; continental China; India; Nepal; Sri Lanka; Indonesia (Jawa, Celebes); Tadzhikistan.

*Atholus pirithous* (Marseul, 1873)

*Atholus pirithous*: Ôhara, 1993, 141; 1994, 138.

Specimens examined [additional records].

[Hokkaidô] Rishiri Is.: Morihara-bokujô, Shinminato, Kutsugata (1 ex., 19/vii/1990), M. Satô. Proper: Futatsuyama, Shibechea, Kushiro (2 exs., 3/vii/1993; 1 ex., 1/x/1994; IJ), K. Ijima; Houtoku,

Shibecha, Kushiro (1 ex., 15/vi/1996, IJ), K. Ijima; Nakachanbetsu, Shibecha (1 ex., 24/vi/1993, IJ), K. Ijima; Asahi-machi, Kamikawa-shichô (1 ex., 20/vi/1987), A. Kashizaki; Kamishibuyama, Memuro, (2 exs., 12/vii/1994, KIT), K. Ito; Betsutoga, Nemuro, (1 ex., 14/vi/1995, KIT), K. Ito; Onne-shisuidamu, Minami-kitoushi, Asyoro (1 ex., 21/vii/1990), H. Haga; Kitamoshiri (3 exs., 24/vii/1989), M. Ôhara; Shinyûbari (1 ex., 11/vi/1992), M. Ôhara; Naga-numa, Shika-numa, Atsuma (3 exs., 12/vi/1994, collected from decaying vegetable), M. Ôhara; Nopporo (1 ex., 14/ix/1973, HMM), Y. Sakamoto; Jyozankei, Sapporo (1 ex., 2/vii/1994, SA), K. Sasaki; Igarashi, Kuromatsunai (3 exs., 19/vi/1996, SA), K. Sasaki; Kozawa, Kyôwa (1 ex., 3/viii/1996, SA), K. Sasaki; Nishikioka, Tomakomai (1 ex., 12/viii/1995, SA), K. Sasaki.

[Honshû] Aomori-ken: Iizume, Goshogawara-shi (1 ex., 10/viii; 2 exs., 10/ix/1976; APM), A. Abe; Nanatsutaki, Kodomai-mura (1 ex., 18/v/1975, APM), A. Abe; (4 exs., 26/vii/1975, APM), K. Shimoyama.; Mt. Yasuteyama, Hiraka-machi (1 ex., 1/viii/1973; 2 exs., 26/v/1974; APM), A. Satoh; Chikagawa, Mutsu-shi (1 ex., 4/vii/1979; 19 exs., 11/vi/1982; APM), K. Shimoyama & A. Satoh. Gumma-ken: Takasaki City (1 ex., 6/viii/1968), K. Sugiyama. Ibaraki-ken: Toride (1 ex., 2/ix/1971), K. Kurosa. Saitama-ken: Heirin-ji, Niiza City (1 ex., 25/v/1967), K. Sugiyama. Chiba-ken: Gongenmori, Nagara-machi (2 exs., 5/viii/1989, CBM-ZI-42192-42193), S. Naomi. Kanagawa-ken: Nagaura, Yokosuka (1 ex., 26/v/1963, YCM), T. Hamaguchi. Yamanashi-ken: Yamanaka-kohan, Fuji (1 ex., 8/viii/1975, IMA), M. Ishida. Hiroshima-ken: Saijo-chô (2 exs., 10/vi/1991), S. Shiyake.

[Shikoku] Kôchi-ken: Ashizuri-misaki, Kôchi (1 ex., 8/viii/1967), K. Sugiyama.

[Kyûshû] Kagoshima-ken: Kurino (1 ex., 25/iv/1981), M. Ôhara; Ibusuki (1 ex., 30/vii/1967), K. Sugiyama.

Distribution. Japan (Hokkaidô, Honshû, Shikoku, Kyûshû, Nansei Isles); Taiwan; Vietnam; continental China; Korea; Oman; Nepal; Primorskij and Ussuriyskij Kray.

### *Atholus duodecimstriatus quatordecimstriatus* (Gyllenhal, 1808)

*Atholus duodecimstriatus quatordecimstriatus*: Ôhara, 1993, 135; 1994, 137.

Specimens examined [additional records].

[Hokkaidô] Proper: Sarabetsu, Obihiro (3 exs., 11/vi/1992), M. Ôhara; Shukushi-takara-gawa, Akan (3 exs., 26/vi/1997, IJ), K. Ijima; Kitamoshiri (7 exs., 24/vii/1989), M. Ôhara; Syouei, Memuro, (1 ex., 14/v/1994, KIT), K. Ito; Betsutoga, Nemuro, (1 ex., 14/vi/1995, KIT), K. Ito; Naga-numa, Shika-numa, Atsuma (2 exs., 12/vi/1994, from decaying vegetable), M. Ôhara; Akaigawa (2 exs., 7/v/1991, collected from cow dung), M. Ôhara; Igarashi, Kuromatsunai (3 exs., 19/vi/1996, SA), K. Sasaki.

[Honshû] Aomori-ken: Hiraka-machi (1 ex., 5/iv/1973, APM), A. Satoh; Mt. Yasuteyama, Hiraka-machi (1 ex., 2/vii/1972; 1 ex., 8/vii/1973; APM), A. Satoh; (1 ex., 26/v/1974, APM), S. Satoh; Araya, Hiraka-machi (1 ex., 22/vi/1972, APM), A. Satoh; Okonoki, Kuroishi-shi (1 ex., 15/i/1972, under a stone in river-side, APM), A. Satoh. Akita-ken: Taihei-zan (1 ex., 25/vii/1969, IMA), M. Fujioka. Kanagawa-ken: Hisagi, Zushi (2 exs., 31/iii/1963, YCM), T. Hamaguchi; Sengeniyama, Yokosuka (1 ex., 2/iv/1963, YCM), T. Hamaguchi; Jûsan-tôge, Nagaura, Yokosuka (1 ex., 2/iv/1963, YCM), T. Hamaguchi; Nagasawa, Yokosuka (1 ex., 20/v/1987, YCM), I. Kawashima. Izu Isles: Ôchi-ike, west side, Miyake-jima (1 ex., 18/vii/1975), J. Okuma. Ôsaka-fu: River-bed of Yodogawa (1 ex., 12/vii/1939), K. Kurosa. Hyôgo-ken: Motoyama-mura, near Kôbe (2 exs., 20/iii/1940), K. Kurosa; Tottori-ken: Mt. Daisen (3 exs., 8/vi/1991), S. Shiyake.

Distribution. Japan (Hokkaidô, Honshû, Shikoku, Kyûshû, Izu Isles, Nansei Isles); northern and high elevations in central Europe; Siberia; Mongolia; continental China; Taiwan.

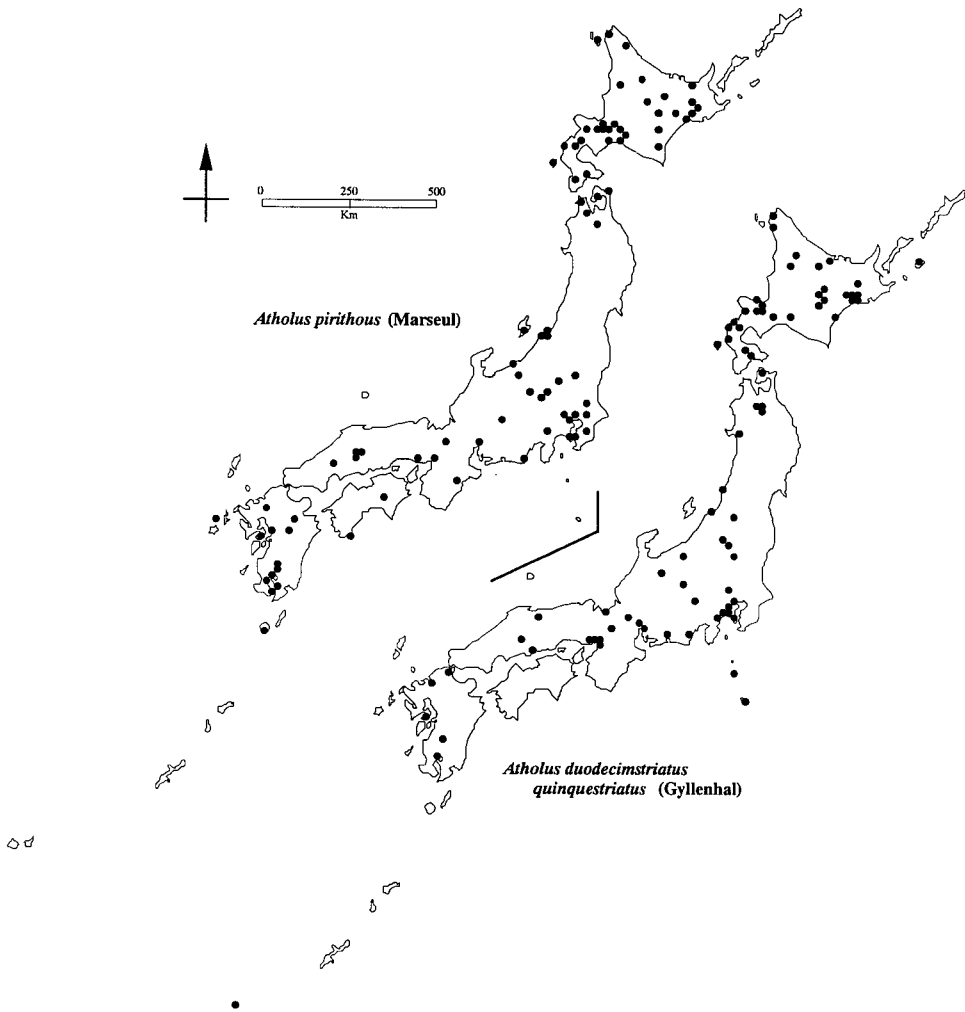


Fig. 22. Collection sites of *Atholus* spp. in Japan.

#### GENUS *MEROHISTER* REITTER, 1909

##### *Merohister jekeli* (Marseul, 1857)

*Merohister jekeli*: Ôhara, 1992, 375; 1994, 136.

Specimens examined [additional records].

[Hokkaidô] Proper: Futatsuyama, Shibecha, Kushiro (2 males, 30/ix/1994, 1/x/1994, IJ), K. Ijima; Naga-numa, Shika-numa, Atsuma (1 ex., 12/vi/1994, from decaying vegetable), M. Ôhara; Nopporo (1 ex., 10/v; 1 ex., 16/vii/1973; HMM), Y. Sakamoto; Mt. Moiwa, Sapporo (1 ex., 25/vii/1987), A. Kashizaki; Tairahama, Taisei (2 exs., 26/vi/1994, SA), K. Sasaki; Jôzankei, Sapporo (4 exs., 2/vii/1994, SA), K. Sasaki; Shunkubai, Chitose (1 ex., 16/vi/1992, SA), K. Sasaki; Makomanai, Sapporo (1 ex., 24/viii/1995, SA), K. Sasaki.

[Honshû] Aomori-ken: Aoni, Kuroishi-shi (1 ex., 19/v/1940, APM), K. Shimoyama; Araya, Hiraka-machi (11 exs., 10/viii/1974, APM), K. Shimoyama; (1 ex., 5/ix/1973, APM), A. Satoh;

Fukaura-machi (1 ex., 13/vi/1978, APM), K. Shimoyama & F. Takekoshi; Mt. Kamafuseyama, Mutsu-shi (1 ex., 4/vii/1979, APM), K. Shimoyama & A. Satoh; Hamanomachi, Hirosaki-shi (1 ex., 1/viii/1964, at light; 1 ex., 14/viii/1984; 1 ex., 26/viii/1985; APM), A. Abe; Hiraka-machi (1 ex., 3/viii/1979, APM), A. Satoh; Ôminato, Mutsu-shi (1 ex., 4/vii/1979, APM), A. Satoh; Mt. Yasuteyama, Hiraka-machi (2 exs., 30/vi/1974, APM), S. Sato. Iwate-ken: Yamagishi, Morioka (2 exs., 24/vi/1973), J. Okuma. Chiba-ken: Kaihotsu, Wada (1 ex., 18/viii/1991), M. Hinakura; Odake (#2623), Sakura-shi (1 ex., 2/x/1997; 1 ex., 6/x/1997; 1 ex., 12/ix/1997; CBM; 1 ex., 12/ix/1997, SEHU), M. Maruyama; Hatori (#2655), Sakura-shi (3 exs., 29/ix-2/x/1997, CBM), M. Maruyama; Joza (#2623), Sakura-shi (4 exs., 27/ix-2/x/1997; 2 exs., 2-4/x/1997; 1 ex., 2-9/x/1997; CBM), M. Maruyama; Sakato (#3427) (2 exs., 29/ix/1997, carrion baited trap, CBM), M. Maruyama; (2 exs., 2/x/1997, carrion baited trap, CBM), M. Maruyama and M. Sano. Tôkyô-to: Mt. Takamizu (1 ex., 27/vii/1972), S. Morita; Kanagawa-ken: Yokono, Hadano City (1 ex., 2/vi/1989), Y. Okushima; Sengeniyama, Yokosuka (1 ex., 26/iv/1964, YCM), M. Kaneko; Mabori-kyôikuen, Yokosuka (1 ex., 27/vii/1975, YCM), N. Ohba. Gifu-ken: Hongô-chô, Seki (1 ex., 5/vii/1988), Y. Takai (Takai, 1995). Shiga-ken: Chikubu-jima, Biwako (2 exs., 25/v/1998., LBM, collected under carcasses of a cormorant, *Phalacrocorax carbo*), K. Yahiro. Hyôgo-ken: Kawaragi-mura, Nishinomiya-shi (1 ex., 22/ix/1940), K. Kurosa.

[Shikoku] Tokushima-ken: Tokushima City (1 ex., 1958), N. Kawano.

[Nansei Isles] Okinawa-hontô: Ginowan (1 ex., 20/vii/1993), S. Katada.

[Russia] Malichebskaya, Cape Chrukin, Vladivostok, Primorskij (1 ex., , 22/vi/1997, from human excrement), M. Ôhara.

Distribution. Japan (Hokkaidô, Honshû, Shikoku, Kyûshû, Sado Is., Izu Isles, Tsushima Isles, Nansei Isles); Sakhalin; Kuril Isles; Primorskij Kray; Korea; continental China; Taiwan (proper, Lanyu Is); Philippines; India.

#### *Merohister aino* (Lewis, 1884)

*Merohister aino*: Ôhara, 1992, 385; 1994, 136.

Specimens examined [additional records].

[Hokkaidô] Proper: Kanoko-dame, Oketo-chô (1 ex., 8-20/vii/1994, HOR), S. Hori.

[Honshû] Iwate-ken: Hakogamori (Dougamori), Morioka City (1 ex., , 3/vii-5/viii/1993, collection of Dr. T. Oku), I. Date.

Distribution. Japan (Hokkaidô, Honshû).

#### GENUS HISTER LINNAEUS, 1758

##### *Hister concolor* Lewis, 1884

*Hister concolor*: Ôhara, 1994, 127.

Specimens examined [additional records].

[Hokkaidô] Rishiri Is.: Morihara-bokujô, Shinminato, Kutsugata (10 exs., 19/vii/1990), M. Satô. Proper: Futatsuyama, Shibechea, Kushiro (2 exs., 3/vii/1993; 3 exs., 2/vi/1994, collected from a dead body of deer, IJ), K. Ijima; Tôro-ko, Higashi-kyûryô, Kushiro (1 ex., 12/vi/1994, collected from dung of deer, IJ), K. Ijima; Onishigawa-shitsugen, Ômu-chô (1 ex., 17/vii/1994, HOR), S. Hori; Sato-bokujo, Betsutoga, Nemuro, (1 ex., 9/vii/1995, KIT), K. Ito; On'ne-shisui-damu, Minami-kitoushi (1 ex., 11/vii/1992), K. Haga; Gojyukoku, Shibechea, Kushiro (1 ex., 22/vi/1997, IJ), K. Ijima; Houtoku, Shibechea (1 ex., 15/vi/1996, IJ), K. Ijima; Igarashi, Kuromatsunai (1 ex., 3/vi/1996, SA), K. Sasaki; Nishikioka, Tomakomai (1 ex., 12/viii/1995, SA), K. Sasaki; Motoyama, Esashi (2 exs., 25/vi/1994; 1 ex., 16/viii/1997, SA), K. Sasaki.



[Honshû] Aomori-ken: Mts. Hakkôda (2 exs., 9/ix/1976, APM), A. Satoh; Hiraka-machi (1 ex., 1/viii/1973, APM), A. Satoh; Ôhata-machi (3 exs., 26/vii/1983, APM), S. Yamauchi; Satôdaira, Ôhata-machi (6 exs., 26/vii/1983, APM), K. Shimoyama; Mt. Futatsumori, Ajigasawa-machi (1 ex., 24/vii/1989, APM), A. Abe; Oirasegawa, Fukaura-machi (1 ex., 18/viii/1975, APM), A. Abe; Mt. Yasuteyama, Hiraka-machi (1 ex., 28/v/1973, APM), S. Sato. Tochigi-ken: Nasu (1 ex., 27/viii/1963), Y. Kurosa. Nagano-ken: Kita-karuzawa (1 ex., 24/viii/1937), K. Sakaguchi; Ogawa river, Kawakami (3 exs., 17/viii/1985), H. Tanaka; Sugadaira, Nakano (1 ex., 31/vii/1953, YCM), H. Kaneda.

Distribution. Japan (Chishima Isles, Hokkaidô, Honshû); northern and central Europe; continental China; Korea.

*Hister congener* Schmidt, 1885

*Hister congener*: Ôhara, 1994, 118.

Specimens examined [additional records].

[Honshû] Nagano-ken: Sugadaira (1 ex., 31/viii/1969, IMA), M. Fujioka.

Distribution. Japan (Honshû); Primorskij Kray; northern China; Korea; Taiwan.

*Hister simplicisternus* Lewis, 1879

*Hister simplicisternus*: Ôhara, 1994, 123.

Specimens examined [additional records].

[Honshû] Aomori-ken: Chikagawa, Mutsu-shi (2 exs., 3/vii; 1 ex., 6/vii; 1 ex., 9/vii/1982; APM), K. Shimoyama & A. Satoh; (2 exs., 6/vii/1982, APM), A. Satoh; Kodomari-mura (1 ex., 18/v/1975, APM), K. Shimoyama; Nanatsutaki, Kodomari-mura (3 exs., 26/vii/1975, APM), K. Shimoyama; Shiriya, Higashidôri-mura (1 ex., 6/viii/1958, APM), A. Abe. Saitama-ken: Horinouchi, Tokorozawa (1 ex., 7/vi/1997, SA), Y. Arai. Chiba-ken: Ôami (1 ex., 23/v/1994), M. Ô'ra.

Distribution. Japan (Honshû, Shikoku, Kyûshû, Tsushima Isles); Korea; north-eastern China.

*Hister japonicus* Marseul, 1854

*Hister japonicus*: Ôhara, 1994, 114.

Specimens examined [additional records].

[Honshû] Fukushima-ken: Ogawa, Iwaki (1 ex., 27/vi/1993), K. Tazoe. Chiba-ken: Kimitsu City (1 ex., 21/v/1990, CBM-ZI-37651), A. Saitô; Joza (#2623), Sakura-shi (1 ex., 2-4/x/1997, carrion baited trap, CBM), M. Maruyama and M. Sano; Iizuka (#3429), Sakura-shi (1 ex., 27-29/ix/1997, carrion baited trap, CBM), M. Maruyama and M. Sano; Nanamagari (#3530), Sakura-shi (1 ex., 2/x/1997, carrion baited trap, CBM), M. Maruyama and M. Sano; Mt. Kiyosumi, Awa (1 ex., 15/vi/1986, CBM-Z-9298), H. Yamazaki; Mt. Tomisan, Tomiyama-chô (1 ex., 3/viii/1992, CBM-Z-30758), S. Naomi; Uchiurayama, Awatsukominato (1 ex., 23/v/1991, CBM-Z-61163), T. Takeda; Shibayama-machi (1 ex., 9/vi/1988, CBM-Z-62262), T. Itoh; Michikubo, Wada-machi (1 ex., 5/v/1985, CBM-Z-62284), H. Yamazaki; Shinbori bokujô, Daiei-chô (1 ex., 15/v/1985, CBM-Z-62285), H. Yamazaki. Izu Isles.: Nii-jima, Wakago-mura (1 ex., 19/vii/1990, CBM-ZI-37995), M. Hasegawa. Kanagawa-ken: Yokono, Hadano City (1 ex., 2/vi/1989), Y. Okushima. Nara-ken: Kasuga-yama, Nara (1 ex., 29/v/1993), T. Itoh; Tomisan, Haibara (1 ex., 4/v/1985), T. Itoh. Fukui-ken: Sanjusanken-zan, Mikatagun (1 ex., 12/v/1985), T. Itoh. Nagano-ken: Ujinori, Takagi (1 ex., 2/vi/1996, SA), H. Otake. Hyôgo-ken: Mt. Maya, Kôbe (1 ex., v/1938), Y. Kurosa.

[Kyûshû] Kagoshima-ken: Hezuka, Sata (1 ex., 12-15/vi/1997, SA), K. Sasaki.

Distribution. Japan (Honshû, Shikoku, Kyûshû, Tsushima Isles, Izu Isles, Oki Is.);

Amurskij Kray; continental China; Korea; Vietnam.

SUBFAMILY HETAERIINAE ERICHSON, 1857

GENUS HETAERIUS ERICHSON, 1857

*Hetaerius optatus* Lewis, 1884

*Hetaerius optatus*: Ôhara, 1994, 146.

Specimens examined [additional records].

[Hokkaidô] Bikawa, Shimamaki (1 ex., 3-13/vi/1996, SA), K. Sasaki; Utashima, Shimamaki (1 ex., 3-13/vi/1996, SA), K. Sasaki; Gunjinyama, Kimobetsu (1 ex., 28/v-8/vi/1996, SA), K. Sasaki; Obira, Shimamaki (1 ex., 18/vi-2/vii/1994, SA), K. Sasaki.

Distribution. Japan (Hokkaidô, Honshû, Shikoku).

SUBFAMILY DENDROPHILINAE REITTER, 1909

TRIBE DENDROPHILINI REITTER, 1909

GENUS DENDROPHILUS LEACH, 1817

*Dendrophilus (Dendrophilus) xavieri* Marseul, 1873

*Dendrophilus (Dendrophilus) xavieri*: Ôhara, 1994, 149.

Specimens examined [additional records].

[Honshû] Tôkyô-to: Ogikubo (1 ex., 10/vi/1970, IMA), M. Ishida.

Distribution. Japan (Hokkaidô, Honshû, Shikoku, Kyûshû, Izu Isles); Taiwan; eastern Siberia; introduced to England and North America.

TRIBE ANAPLEINI OLEXA, 1982

GENUS ANAPLEUS HORN, 1873

*Anapleus semen* (Lewis, 1884)

*Anapleus semen*: Ôhara, 1994, 153.

Specimens examined [additional records].

[Hokkaidô] Proper: Nakayama-fûketu, PT7 (1 ex., 23/vi-8/vii/1994; 1 ex., 4-18/viii/1994; 1 ex., 8-20/vii/1994; HOR), S. Hori; Chimikeppu-ko, Tubetsu-chô, PTB1 (1 ex., 22/vi-6/vii; 2 exs., 19/vii-3/viii/1994; HOR), S. Hori; Nokanan, Ashibetu (1 ex., 28/v-11/vi/1995, SA), K. Sasaki; Honryû, Shimukappu (1 ex., 24/vi/1995, SA), K. Sasaki; E'chû-dantai, Minami-furano (1 ex., 10-24/vi/1994), K. Sasaki; Kitaochiai, Minami-furano (1 ex., 27/v-10/vi, SA; 2 exs., 10-24/vi/1994, SEHU), K. Sasaki; Fushimisenkyô, near Bisei-damu, Memuro, (1 ex., 17/vi/1995, KIT), K. Ito.

Distribution. Japan (Hokkaidô, Honshû); Primorskij Kray.

TRIBE PAROMALINI REITTER, 1909

GENUS CARCINOPS MARSEUL, 1855

*Carcinops (Carcinops) pumilio* (Erichson, 1834)

*Carcinops (Carcinops) pumilio*: Ôhara, 1994, 167.

Specimens examined [additional records].

[Honshû] Aomori-ken: Mt. Yasuteyama, Hiraka-machi (6 exs., 1/viii/1973; 1 ex., 26/v; 2 exs., 9/xi/1974; APM), S. Sato; Ôminato, Mutsu-shi (1 ex., 13/viii/1979, APM), A. Satoh; Oirasegawa,

Fukauro-machi (1 ex., 13/vi/1975, APM), K. Shimoyama. Kanagawa-ken: Tsukui, Yokosuka (1 ex., 13/vii/1997, YCM), I. Kawashima. Gifu-ken: Kochô-jima, Asahi (1 ex., 20–21/viii/1990), Y. Takai (Takai, 1995). Ôsaka-fu: Ôsaka Univ., Nakanoshima, Ôsaka (1 ex., x/1941, picked up in the room of anatomical training, Faculty of Medicine), K. Kurosa. Wakayama-ken: Iike-yama, Kozagawa-chô, Higashi-muro-gun (2 exs., 31/v/1995), M. Yoshida.

[Shikoku] Tokushima-ken: Takashiro-yama, Naka-gun (2 exs., 12–14/vii/1996), T. Itoh.

[Kyûshû] Kagoshima-ken: Kamiarata, Kagoshima City (1 ex., 17/viii/1985), Y. Takai.

[Nansei Isles] Ishigaki-jima: Yonehara (1 ex., 2/v/1973), K. Kurosa; Kabira (1 ex., 8/v/1977, YCM), N. Ohba. Iriomote-jima: Uehara, (1 ex., 16/ix/1993), M. Ôhara.

Distribution. Japan; nearly cosmopolitan.

#### GENUS *CRYPTOMALUS* MAZUR, 1993

##### *Cryptomalus montivagus* (Lewis, 1892)

*Australomalus montivagus*: Ôhara, 1994, 171.

*Cryptomalus montivagus*: Mazur, 1997, 181.

Specimens examined [additional records].

[Honshû] Fukui-ken: Ikegahara, Ôno (1 ex., 4/vi/1989), Y. Takai (Takai, 1995).

[Shikoku] Tokushima-ken: Minokoshi, Mt. Tsurugi (2 males & 2 females, 26/v/1968, collected from a decayed tree), M. Yoshida.

Distribution. Japan (Hokkaidô, Honshû, Shikoku, Kyûshû).

#### GENUS *PLATYLOMALUS* COOMAN, 1948

##### *Platylomalus fujisanus* (Lewis, 1892)

*Platylomalus fujisanus*: Ôhara, 1994, 174.

Specimens examined [additional records].

[Honshû] Aomori-ken: Fuyubegawa, Kodomari-mura (2 exs., 18/viii/1974, APM), A. Abe; Mt. Rangannomori, Ajigasawa-machi (2 exs., 27, 30/vii/1987, APM), A. Abe; Nanatsutaki, Kodomai-mura (1 ex., 18/v/1975, APM), A. Abe. Fukushima-ken: Sui-sawa-gentô, 700 m, Eboshi-rindô, Kanayama (1 ex., 2/vii/1995, collected from Fungi), K. Haga.

Distribution. Japan (Honshû, Kyûshû).

##### *Platylomalus mendicus* (Lewis, 1892)

*Platylomalus mendicus*: Ôhara, 1994, 177.

Specimens examined [additional records].

[Nansei Isles] Ishigaki-jima (1 ex., 11/vi/1995, collected by truck trap), K. Takahashi.

Distribution. Japan (Honshû, Shikoku, Kyûshû, Oki Is., Nansei Isles); Primorskij Kray; continental China; Vietnam; India; Taiwan; Indonesia.

##### *Platylomalus kusuii* M. Ôhara, 1994

*Platylomalus kusuii*: Ôhara, 1994, 190.

Specimens examined [additional records].

[Ogasawara Isles] Haha-jima: Mt. Chibusa-yama (1 ex., 15/vii/1991), T. Ueno.

Distribution. Japan (Ogasawara Isles).

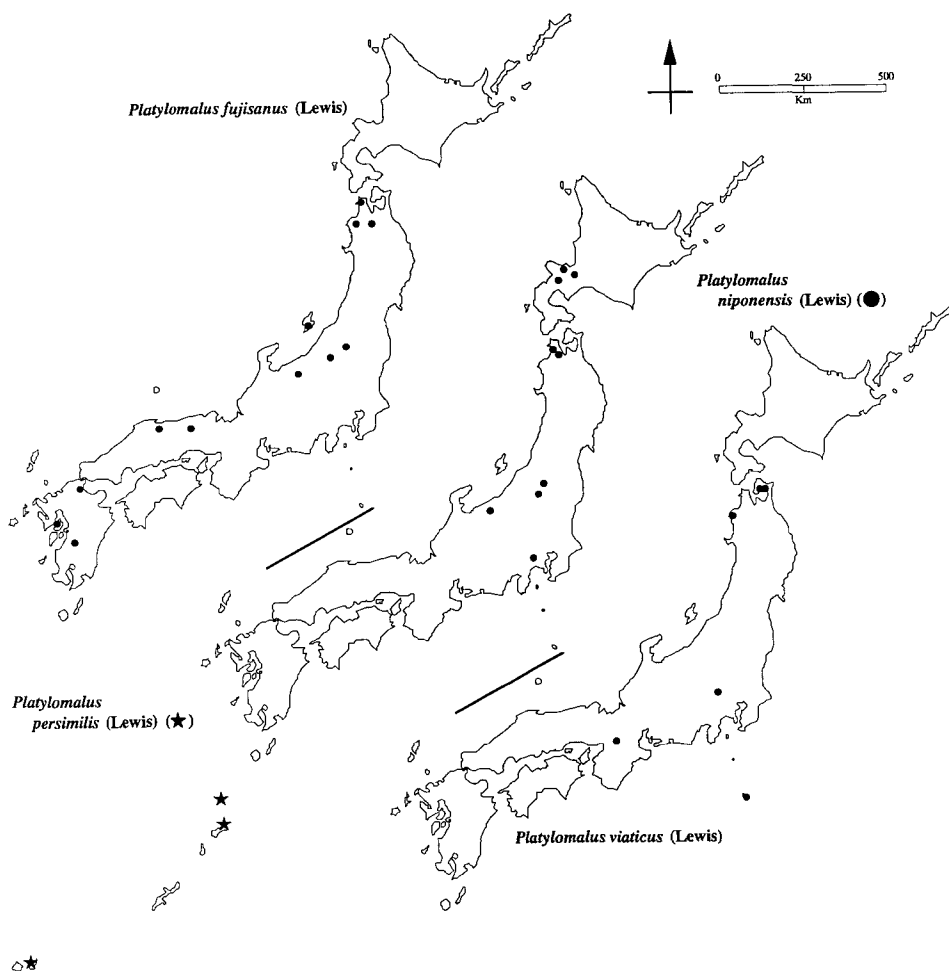


Fig. 23. Collection sites of *Platylomalus* spp. in Japan.

*Platylomalus niponensis* (Lewis, 1899)

*Platylomalus niponensis*: Ôhara, 1994, 180.

Specimens examined [additional records].

[Hokkaidô] Proper: Okusawa-suigenchi, Otaru (4 exs., 24/v/1995, collected from under bark), M. Ôhara.

[Honshû] Aomori-ken: Iizume, Goshogawara-shi (1 ex., 24/iv/1966, APM), K. Shimoyama; Nakasato-machi (1 ex., 18/v/1965, APM), K. Shimoyama; (1 ex., 26/iv/1965, APM), A. Abe.

Distribution. Japan (Hokkaidô, Honshû); Taiwan.

*Platylomalus persimilis* (Lewis, 1888)

*Platylomalus persimilis*: Ôhara, 1994, 174.

Specimens examined [additional records].

[Nansei Isles] Tokara-Takara-jima (4 exs., 6/vii/1953, NA), T. Nakane. Amami-Ôshima Is.: Higashi-Nakama (1 ex., 29/iii/1963), S. Fukuda. Ishigaki-jima (1 ex., 11/vi/1995, collected by truck

trap), K. Takahashi.

Distribution. Japan (Nansei Isles); Tenasserim; Vietnam.

*Platylomalus viaticus* (Lewis, 1892)

*Platylomalus viaticus*: Ôhara, 1994, 187.

Specimens examined [additional records].

[Honshû] Aomori-ken: Ôminato, Mutsu-shi (1 ex., 6/v/1978, APM), S. Sato; Oirase, Fukaura-machi (1 ex., 1/vii/1984, APM), A. Abe.

Distribution. Japan (Honshû, Kyûshû); Taiwan; Khavarovskij Kray.

GENUS *PAROMALUS* ERICHSON, 1834

*Paromalus (Paromalus) parallelepipedus* (Herbst, 1792)

*Paromalus (Paromalus) parallelepipedus*: Ôhara, 1994, 199.

Specimens examined [additional records].

[Hokkaidô] Proper: Nopporo (1 ex., 21/vii/1973, HMH), Y. Sakamoto.

[Honshû] Aomori-ken: Chikagawa, Mutsu-shi (1 ex., 17/v/1982, APM), K. Shimoyama & A. Satoh; Ôminato, Mutsu-shi (6 exs., 6/v/1978, APM), K. Shimoyama & S. Satoh; Nakasato-machi (1 ex., 5/iii/1966, APM), K. Shimoyama. Fukushima-ken: Yunohana, Tateiwa (1 ex., 20/vii/1963), K. Tazoe.

Distribution. Japan (Hokkaidô, Honshû); nearly the whole Palearctic Region.

*Paromalus (Paromalus) vernalis* Lewis, 1892

*Paromalus (Paromalus) vernalis*: Ôhara, 1994, 201.

Specimens examined [additional records].

[Nansei Isles] Amami-Ôshima: Nagakumo-tôge, Tatsugô-chô (1 ex., 8/v/1966), Y. Kurosa.

Distribution. Japan (Honshû, Shikoku, Kyûshû, Nansei Isles); Taiwan; Primorskij Kray.

SUBFAMILY SAPRININAE BLANCHARD, 1845

GENUS *GNATHONCUS* JACQUELIN-DUVAL, 1858

*Gnathoncus nannetensis* (Marseul, 1862)

*Gnathoncus nannetensis*: Ôhara, 1994, 215.

Specimens examined [additional records].

[Hokkaidô] Oshima-Ôshima Is.: Yamase-domari (1 ex., 25/vi/1994, NIS), H. Nishijima.

[Honshû] Tôkyô-to: Tôkyô (8 exs., iv/1995, collected from inside of the storehouse of a paper-manufacturing company). Hyôgo-ken: Foot of Mt. Maya (1 ex., 6/iv/1938), K. Kurosa.

Distribution. Japan (Hokkaidô, Honshû, Shikoku, Kyûshû); nearly the whole Palearctic Region.

*Gnathoncus rotundatus* (Kugelann, 1792)

*Gnathoncus rotundatus*: Ôhara, 1994, 220.

Specimens examined [additional records].

[Honshû] Aomori-ken: Hiraka-machi (2 exs., 21/v/1972, APM), A. Satoh; Kuroishi-shi (1 ex., 20/v/1972, APM), A. Satoh.

Distribution. Japan (Hokkaidô, Honshû); Taiwan; nearly the whole Holarctic Region; South Africa; Chile; St. Paul Is.

GENUS *SAPRINUS* ERICHSON, 1834

*Saprinus (Saprinus) niponicus* Dahlgren, 1962

*Saprinus (Saprinus) niponicus*: Ôhara, 1994, 229.

Specimens examined [additional records].

[Hokkaidô] Proper: Sôunkyô, Kamikawa-chô (4 exs., 30/vii/1975, APM), A. Abe; (12 exs., 29/vii/1969, APM), K. Shimoyama; Nopporo, Ebetsu (4 exs., 19/vi; 8 exs., 2/viii/1996), H. Matsumoto; Jôzankei, Sapporo (3 exs., 2/vii/1994, SA), K. Sasaki; Makomanai, Sapporo (4 exs., 24/viii/1995, SA), K. Sasaki; Setarai, Urahoro, (5 exs., 22/vi; 2 exs., 5/vii/1998; KIT), K. Ito.

[Honshû] Aomori-ken: Chikagawa, Mutsu-shi (20 exs., 11/vi; 2 exs., 16/vi; 5 exs., 2/vii; 30 exs., 3/vii; 19 exs., 6/vii; 7 exs., 9/vii/1982; APM), K. Shimoyama & A. Satoh; (2 exs., 2/vii/1982, APM), A. Satoh; Araya, Hiraka-machi (1 ex., 22/vii/1972, APM), A. Satoh; Nakajima, Jûsanko, Shiura-mura (1 ex., 17/vi/1984, APM), no collector's name; Oirase-gawa, Fukaura-machi (4 exs., 16/viii; 4 exs., 18/viii/1975; APM), K. Shimoyama; Futatsumori, Kuroishi-shi (2 exs., 10/vii/1971, APM), K. Shimoyama; Hiraka-machi (1 ex., 24/vi/1973, APM), A. Satoh. Fukushima-ken: Ogawa, Iwaki (2 exs., 27/vi/1993), K. Tazoe. Saitama-ken: Asaka (2 exs., 25/v/1967), K. Sugiyama. Chiba-ken: Aoba, Chiba-shi (2 exs., 13/ix/1986, CBM-Z-53805, 6), H. Yamazaki; Hatori (#2655), Sakura-shi (1 ex., 2-4/x/1997, CBM; 1 ex., SEHU; 2 exs., 29/ix-2/x/1997, carrion baited trap, CBM), M. Maruyama and

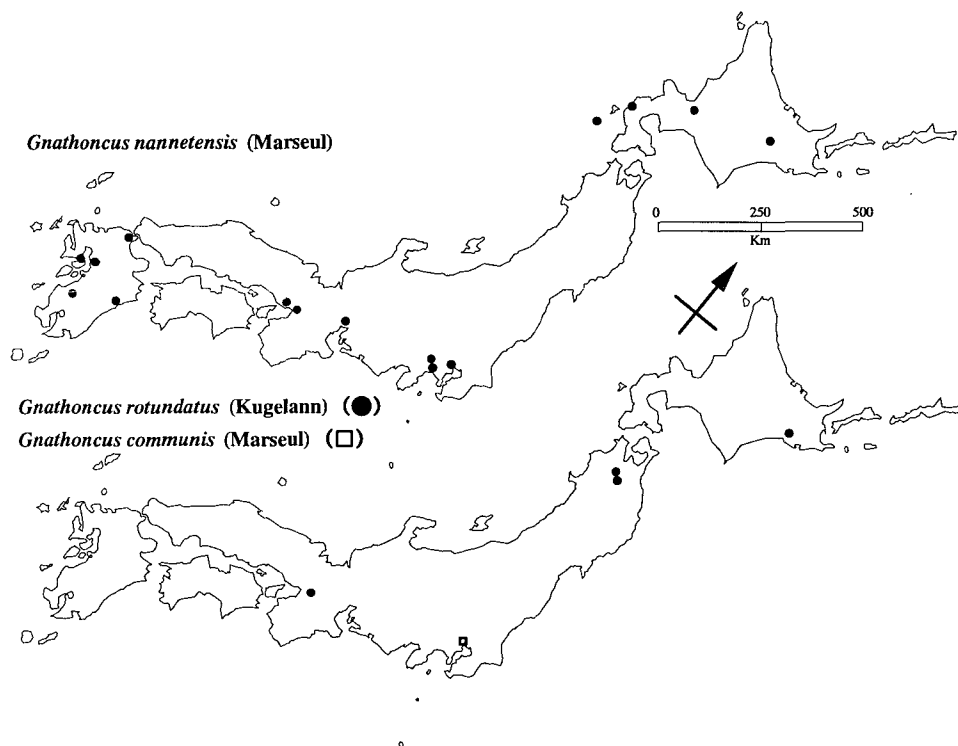


Fig. 24. Collection sites of *Gnathoncus* spp. in Japan.

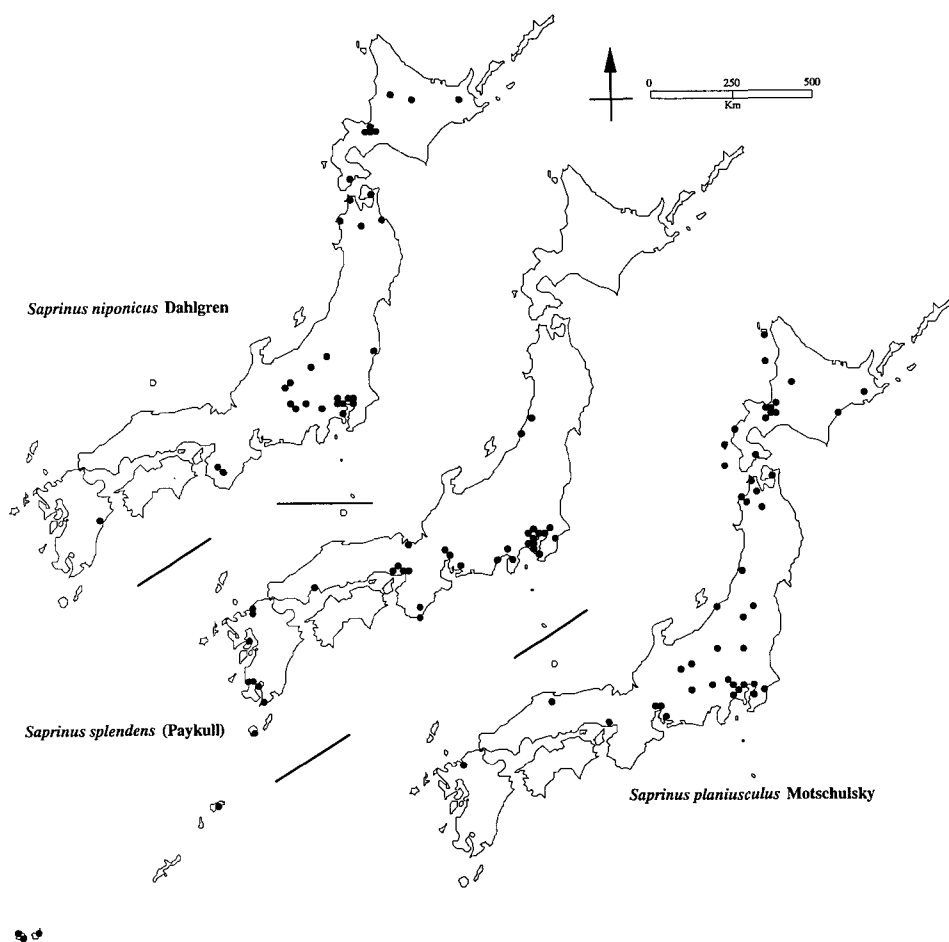


Fig. 25. Collection sites of *Saprinus* spp. in Japan.

M. Sano; Nishimikado (#3540), Sakura-shi (1 ex., 2-9/x/1997, CBM; 1 ex., SEHU; 1 ex., 25-27/ix/1997, carrion baited trap, CBM), M. Maruyama and M. Sano; Azeta (#2643), Sakura-shi (3 exs., 27/ix-2/x/1997, CBM; 1 ex., SEHU; 6 exs., 2-4/x/1997, carrion baited trap, CBM), M. Maruyama and M. Sano; Joza (#2623), Sakura-shi (1 ex., 12-20/ix/1997, CBM; 7 exs., 27/ix-2/x/1997, CBM; 5 exs., SEHU; 2 exs., 2-4/x/1997, carrion baited trap, CBM), M. Maruyama and M. Sano; Sakato (#3427), Sakura-shi (2 exs., 29/ix/1997, CBM; 1 ex., SEHU), M. Maruyama; Iizuka (#3429), Sakura-shi (3 exs., 29/ix-2/x/1997, CBM; 1 ex., SEHU; 1 ex., 2-9/x/1997, CBM; 2 exs., 27-29/ix/1997, carrion baited trap, CBM), M. Maruyama and M. Sano. Tōkyō-to: Toshima-ku (2 exs., 23/v/1963), S. Kondo. Kanagawa-ken: Ikuta (1 ex., 7/vii/1962), Y. Kurosa. Nara-ken: Wasamata-yama, Kami-kitayama, Yoshino (1 ex., 4-6/viii/1994), T. Itoh; Tenkawa-mura (10 exs., 9/vii/1990, CBM-ZI-41276, -41494-41501, -41503, -41505), A. Saitō.

Distribution. Japan (Hokkaidō, Honshū, Shikoku, Kyūshū); Primorskij Kray; Korea.

*Saprinus (Saprinus) planiusculus* Motschulsky, 1849

*Saprinus (Saprinus) planiusculus*: Ôhara, 1994, 232.

Specimens examined [additional records].

[Hokkaidô] Rishiri Is.: Numaura (1 ex., 29/vii/1994), M. Ôhara. Oshima-Ôshima Is.: Yamasedomari (4 exs., 25/vi/1994, NIS), H. Nishijima; Torikarasu (1 ex., 23/vi/1994, NIS), H. Nishijima. Okushiri Is.: Miyatsu (1 female, 3/ix/1986), Y. Kusui; Aonae (1 male & 1 female, 28/vi/1986), Y. Kusui. Proper: Miyama, Kushiro-chô (15 exs., 25/vii/1997, IJ), K. Ijima; Toyohama, Shimamaki (1 ex., 3–13/vi/1996, SA), K. Sasaki; Yahata, Ishikari (1 ex., 22/v/1994, SA), K. Sasaki; Makomanai, Sapporo (1 ex., 24/viii/1995, SA), K. Sasaki.

[Honshû] Aomori-ken: Chikagawa, Mutsu-shi (1 ex., 16/vi; 3 exs., 2/vii; 8 exs., 3/vii; 4 exs., 6/vii; 1 ex., 9/vii/1982; APM), K. Shimoyama & A. Satoh; (1 ex., 2/vii/1982, APM), A. Satoh; Araya, Hiraka-machi (1 ex., 9/i/1971, APM), A. Satoh; Towada, Hiraka-machi (1 ex., 1/xi/1981, APM), K. Shimoyama; Nakajima, Jûsanko, Shiura-mura (13 exs., 17/vi/1984, APM), no collector's name; Iizume, Goshogawara-shi (1 ex., 2/x/1972, APM), A. Abe; Oirasegawa, Fukaura-machi (1 ex., 16/viii/1975, APM), K. Shimoyama; Mt. Rangannomori, Ajigasawa-machi (1 ex., 13/vi/1971, APM), A. Abe. Chiba-ken: Aoba, Chiba-shi (1 ex., 13/ix/1986, CBM-Z-53808), H. Yamazaki. Kanagawa-ken: Hiratsuka (1 ex., 30/viii/1963), Y. Kurosa. Nagano-ken: Sugadaira (1 ex., 31/viii/1969, IMA), M. Fujioka.

Distribution. Japan (Hokkaidô, Honshû, Shikoku, Kyûshû); nearly throughout Palaearctic Region; Canary and Azorea Is.; northern Africa; Asia Minor; Vietnam (?).

*Saprinus (Saprinus) splendens* (Paykull, 1811)

*Saprinus (Saprinus) splendens*: Ôhara, 1994, 232.

Specimens examined [additional records].

[Honshû] Chiba-ken: Aoba, Chiba-shi (1 ex., 13/ix/1986, CBM-Z-53807), H. Yamazaki; Edogawa-Kakoh, Chiba-shi (1 ex., 25/viii/1992, CBM-Z-62605), T. Itoh; Iwai, Tomiyama-chô (1 ex., 6/viii/1984, CBM-Z-62314), H. Yamazaki; Hatori (#2655), Sakura-shi (1 ex., 29/ix–2/x/1997, carrion baited trap, CBM), M. Maruyama and M. Sano; Joza (#2623), Sakura-shi (1 ex., 12–20/ix/1997; 1 ex., 27/ix–2/x/1997; carrion baited trap, CBM), M. Maruyama and M. Sano. Tôkyô-to: Ikebukuro (1 ex., 20/vii/1962), Y. Kurosa. Kanagawa-ken: Nagasawa, Muraoka, Yokosuka (1 ex., 2/v/1998, YCM), I. Kawashima; Nagasawa, Yokosuka (1 ex., 20/v/1987, YCM), I. Kawashima; Hayama (1 ex., iii, YCM), N. Ohba; Zushi (2 exs., 11/vi/1943, YCM), K. Morishita; Mito-kaigan, Miura (1 ex., 15/vii/1958, YCM), N. Ohba. Fukui-ken: Takahama-machi (3 exs., 4/viii/1976, APM), S. Satoh. Hyôgo-ken: Kihara-yama, Mikage-machi, Higashi-nada-ku, Kôbe (3 exs., 17/vi/1939), K. Kurosa; Foot of Mt. Rokkô, Kôbe (9 exs., 30/v/1937), K. Kurosa.

[Kyûshû] Kagoshima-ken: Sata-misaki (1 ex., 1/viii/1967), K. Sugiyama.

[Nansei Isles] Iriomote-jima: Uehara (15 exs., 14, 15/ix/1993), M. Ôhara; Sonai (2 exs., 11/iii/1976), S. Morita; Ôhara (1 ex., 26/iv/1981), S. Morita. Ishigaki-jima: Shiramizu (1 ex., 12/ix/1993), M. Ôhara; Kabira (1 ex., 7/v/1977, YCM), N. Ohba.

Distribution. Japan (Hokkaidô, Honshû, Shikoku, Kyûshû, Nansei Isles); tropical Africa; Arabia; Kashmir; Afghanistan; Oriental Region; Australia.



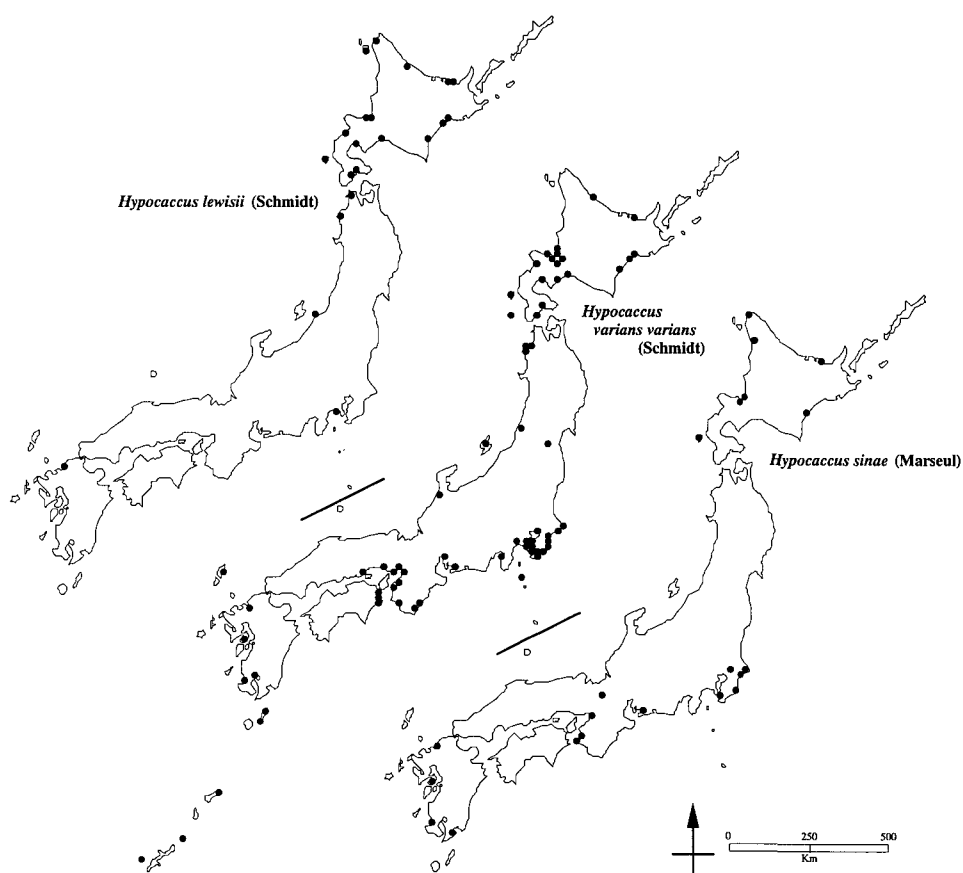


Fig. 26. Collection sites of *Hypocaccus* spp. in Japan.

GENUS HYPOCACCULUS BICKHARDT, 1914  
SUBGENUS NESSUS REICHARDT, 1932

*Hypocacculus (Nessus) asticus* (Lewis, 1911)

*Hypocacculus (Nessus) asticus*: Ôhara, 1994, 240.

Specimens examined [additional records].

[Honshû] Kanagawa-ken: Shichiri-ga-hama, Kamakura (2 exs., 10/x; 1 ex., 24/viii/1989), K. Kawada.

Distribution. Japan (Honshû, Shikoku, Kyûshû); Korea.

GENUS HYPOCACCUS THOMSON, 1867  
SUBGENUS HYPOCACCUS THOMSON, 1867

*Hypocaccus (Hypocaccus) lewisii* (Schmidt, 1890)

*Hypocaccus (Hypocaccus) lewisii*: Ôhara, 1994, 248.

Specimens examined [additional records].

[Hokkaidô] Rishiri Is.: Numaura (6 exs., 29/vii/1994), M. Ôhara. Proper: Sakanoshita, Wakkanai (1 ex., 10/viii/1974), Y. Kusui; Okoppe-gawa-kako, Okoppe-chô (5 exs., 21/vi/1994, HOR), S. Hori; Tomakomai-kaigan, Tomakomai (1 ex., 9/vi/1974), H. Onodera; Shioya, Otaru (5 exs., 14/v/1994, SA), K. Sasaki; Kotan, Atsuta (1 ex., 22/v/1994; 2 exs., 18/vi/1995, SA), K. Sasaki; Nanae-hama, Kamiiso (1 ex., 15/viii/1997, SA), K. Sasaki; Rebunge, Toyoura (1 ex., 22/v/1994, SA), K. Sasaki.

[Honshû] Aomori-ken: Moriyama, Iwasaki-mura (1 ex., 26/vii/1991, APM), S. Yamauchi; Kodomari-mura (1 ex., 15/vi/1983, APM), K. Shimoyama. Kanagawa-ken: Shichiri-ga-hama, Kamakura (1 ex., 10/x/1989), K. Kawada.

Distribution. Japan (Hokkaidô, Honshû, Kyûshû); Primorskij Kray; Sakhalin; Korea.

*Hypocaccus (Hypocaccus) sinae* (Marseul, 1862)

*Hypocaccus (Hypocaccus) sinae*: Ôhara, 1994, 250.

Specimens examined [additional records].

[Hokkaidô] Proper: Momiji-yama, Ishikari (1 ex., 1/vi/1974), S. Kudo; Zenibako, Otaru (1 ex., 21/v/1985), M. Ôhara.

[Honshû] Chiba-ken: Kazusanomiya (1 ex., 7/v/1976), S. Morita; Kidohama, Hikari-chô (2 exs., 12/xi/1986, CBM-Z-61425, 27), T. Itoh; Kimigahama, Chôshi-shi (3 exs., 26/iv/1971, CBM-Z-53936-7, 41), H. Yamazaki. Aichi-ken: Hosoya, Omotehama, Toyohashi (4 exs., 21/v; 2 exs., 11/vi/1990), M. Hasegawa (Hasegawa & Kanie, 1992). Shiga-ken: Biwako-han, Hikone (4 exs., 1/vi/1991), S. Shiyake; Hikone (1 ex., 16/vi; 1 ex., 14/viii/1992), S. Shiyake. Wakayama-ken: Mihama, Enjugahama (17 exs., 29/v/1991), S. Shiyake.

[Kyûshû] Kagoshima-ken: Fukiage (1 ex., 29/vii/1984), M. Ôhara.

Distribution. Japan (Hokkaidô, Honshû, Shikoku, Kyûshû); Korea; continental China; Ussuriyskij Kray; Sakhalin; Afganistan; Oriental Region; Australia.

*Hypocaccus subaeneus* (Schmidt, 1890)

*Hypocaccus (Hypocaccus) subaeneus* (sic): Ôhara, 1994, 250; Ôhara and Paik, 1998: 29.

*Hypocaccus (Hypocaccus) subaeneus*: Ôhara, 1998, 3.

Specimens examined [additional records].

[Honshû] Aomori-ken: Oirasegawa, Fukaura-machi (1 ex., 9/vi/1978, APM), A. Abe; (1 ex., 1/vii/1988), S. Yamauchi. Nara-ken: Sannokou, Kawakami (1 ex., 22/v/1994, SA), H. Otake. Shiga-ken: Miyagahama, Oumi-hachiman, alt. 85 m, MC52366026 (1 ex., 5/vi/1994, OMD-940605.092), S. Shiyake; Marima, Hikone, alt. 85 m, MC52366172 (1 ex.: , 5/vi/1994, OMD-940605.039), S. Shiyake.

Distribution. Japan (Hokkaidô, Honshû).

SUBGENUS *BAECKMANNIOLUS* REICHARDT, 1926

*Hypocaccus (Baeckmanniolus) varians varians* (Schmidt, 1890)

*Hypocaccus (Baeckmanniolus) varians varians*: Ôhara, 1994, 258.

Specimens examined [additional records].

[Hokkaidô] Proper: Okoppe-gawa-kakô, Okoppe-chô (4 exs., 21/vi/1994, HOR), S. Hori; Saru-kaigan, Okoppe-chô (1 ex., 17/viii/1994, HOR), S. Hori; Shiranuka (19 exs., 25/v/1985; 3 exs., 31/v/1992), M. Ôhara; Tomakomai-kaigan, Tomakomai (9 exs., 9/vi/1974), H. Onodera; Nanae-hama, Hakodate (1 ex., 20/v/1992), M. Ôhara; Nr. Bashukuru-shitsugen, Onbetsu-chô (2 exs., 31/v/1992), A. Saitô; Shioya, Otaru (13 exs., 14/v/1994, SA), K. Sasaki; Kotan, Atsuta (2 exs., 18/vi/1995, SA),

K. Sasaki; Rebunnka, Toyoura (2 exs., 22/v/1994, SA), K. Sasaki. Oshima-Ôshima Is.: Yamase-domari (1 ex., 25/vi/1994, NIS), H. Nishijima; Torikarasu (3 exs., 23/vi/1994, NIS), H. Nishijima.

[Honshû] Aomori-ken: Moriyama, Iwasaki-mura (1 ex., 25/vii/1991, APM), A. Abe; (1 ex., 26/vii/1991, APM), S. Yamauchi; Kawajiri, Shichiri-nagahama, Ajigasawa (2 exs., 1/x/1992), M. Ôhara. Chiba-ken: Kazusanomiya (2 exs., 7/v/1976; 2 exs., no date), S. Morita; Ôami, Sanbu-gun (3 exs., 23/v/1994), M. Ôhara; Katakai beach (8 exs., 16/vi/1974, CBM-ZI-53975-53982), H. Yamazaki; Ichinomiya sea side, Ichinomiya-machi (4 exs., 28/v/1973, CBM-Z-53928-29, -33; 10 exs., 8/viii/1973, CBM-Z-62457, -62460, -53926, -30-32, -34-5, -56-57), H. Yamazaki; Kimigahama, Chôshi-shi (1 ex., 26/iv/1971, CBM-ZI-62459), H. Yamazaki; Takeoka sea side, Futtu-shi (1 ex., 3/v/1971, CBM-ZI-62458), H. Yamazaki; River mouth of Kriyama river (2 exs., 16/vi/1974, CBM-Z-53971, -2), H. Yamazaki; Obitsugawakakou (2 exs., 16/vi/1987, CBM-Z-7115, -6), T. Itoh; Kazusaminato (14 exs., 10/vii/1968, CBM-Z-53944-46, -49-51, -58-65), H. Yamazaki; Funabashikaigan, Fuanbashi-shi (5 exs., 29, 30/viii/1990, CBM-Z-59922-24), T. Itoh; Kidohama, Hikari-chô (20 exs., 21/ix/1985, CBM-Z-61426, -28-46), T. Itoh; Chikura (1 ex., 22/viii/1974, CBM-Z-53952), H. Yamazaki; Katsuura, Katsuura-machi (1 ex., 11/viii/1973, CBM-Z-53966), H. Yamazaki; Cape Daito, Misaki-chô (1 ex., 20/vi/1971, CBM-Z-53953), H. Yamazaki; Okiyama sea side, Kisarazu-shi (2 exs., 15/vii/1973, CBM-Z-53954-5), H. Yamazaki; Takeoka sea side, Futtu-shi (3 exs., 3/v/1971, CBM-Z-53938-40), H. Yamazaki; Toyomi (3 exs., 8/iv/1971, CBM-Z-53943, -47-8), H. Yamazaki; Onjuku-machi (6 exs., 23/ix/1986, CBM-Z-61447-53), T. Itoh; Kimigahama, Chôshi-shi (1 ex., 26/iv/1971, CBM-Z-53942), H. Yamazaki. Kanagawa-ken: Shichiri-ga-hama, Kamakura (4 exs., 10/x; 2 exs., 24/viii/1989), K. Kawada; Tateishi, near Akiya, Yokosuka (1 ex., 25/vi/1990), K. Akiyama; Ôiso (3 exs., 14/iii/1996), K. Kasagi; Isshiki-kaigan, Hayama (29 exs., 23/iii/1963, YCM), T. Hamaguchi; Shinjyuku-hama, Zushi (1 ex., 16/ix/1962, YCM), T. Hamaguchi; Nobu-kaigan, Yokosuka (1 ex., 30/vi/1963, YCM), T. Hamaguchi; Sarushima, Yokosuka (2 exs., 13/vi/1977, YCM), Y. Kusui. Aichi-ken: Hosoya, Omotehama, Toyohashi (2 exs., 21/v; 1 ex., 24/vi/1990), M. Hasegawa (Hasegawa & Kanie, 1992). Wakayama-ken: Kada (1 ex., 5/vi/1992), T. Itoh. Ishikawa-ken: Kanaiwa, Kanazawa (4 exs., 27/vii/1991), K. Nakata. Hyôgo-ken: Mikage-machi, seashore, Kôbe (2 exs., 22/vii/1938), K. Kurosa; Takasago (1 ex., 3/iv/1937), K. Kurosa; Tomyo, Mikage-machi, near Kôbe, Mikage-tsuka-machi (now, Higashi-nada-ku) (1 ex., 3/viii/1938), K. Kurosa.

[Shikoku] Tokushima-ken: Mouth of Yoshino riv., Tokushima (1 ex., 14/vii/1996), T. Itoh.

[Kyûshû] Fukuoka-ken: Nishinoura (1 ex., 29/iv/1994), K. Shima.

[Nansei Isles] Kume-jima: (17 exs., 5/iv/1993), D. Asaka.

Distribution. Japan (Hokkaidô, Honshû, Shikoku, Kyûshû); continental China; Taiwan; Sakhalin; Vietnam; Philippines; Sri Lanka; Solomon Is.; Australia; Korea.

## GENUS EOPACHYLOPUS REICHARDT, 1926

### *Eopachylopus ripae* (Lewis, 1885)

*Eopachylopus reipae*: Ôhara, 1994, 264.

Specimens examined [additional records].

[Honshû] Chiba-ken: Ôami (4 exs., 23/v/1994), M. Ôhara; Ichinomiya sea side, Ichinomiya-machi (4 exs., 28/v/1973, CBM-Z-53967-70), H. Yamazaki; River mouth of Kuriyama river (2 exs., 16/vi/1974, CBM-Z-53973, 4), H. Yamazaki; Kidohama, Hikari machi (3 exs., 21/ix/1986, CBM-Z-61422-4), T. Itoh. Kanagawa-ken: Shichiri-ga-hama, Kamakura (1 ex., 24/viii/1989), K. Kawada. Aichi-ken: Hosoya, Omotehama, Toyohashi (2 exs., 21/v; 2 exs., 11/vi; 2 exs., 24/vi/1990), M. Hasegawa (Hasegawa & Kanie, 1992). Ishikawa-ken: Kanaiwa, Kanazawa (2 exs., 27/vii/1991), K. Nakata.

Distribution. Japan (Hokkaidô, Honshû, Shikoku, Kyûshû, Nansei Isles).

SUBFAMILY ABRAEINAE MACLEAY, 1819

TRIBE ABRAEINI MACLEAY, 1819

GENUS CHAETABRAEUS PORTEVIN, 1929

*Chaetabraeus bonzicus* (Marseul, 1873)

*Chaetabraeus bonzicus*: Ôhara, 1994, 204.

Specimens examined [additional records].

[Honshû] Aomori-ken: Ôminato, Mutsu-shi (1 ex., 27/v; 1 ex., 4/vii/1979; APM), A. Satoh. Fukushima-ken: Wakamatsu, Aizu (1 ex., 29/vi/1948, NA), Y. Kurosama. Tôkyô-to: Itabashi-ku (3 exs., 6/v/1959), S. Kondo; Aoyama (1 ex., 27/v/1946; 1 ex., 25/v/1948, NA), T. Nakane; Takao (1 ex., 3/v/1983, NA), T. & T. Nakane. Aichi-ken: Higashi-yama, Nagoya (16 exs., vi/1948, NA), S. Osawa. Kyôto-fu: Midoro-ga-ike (1 ex., 9/v/1942, NA), K. Sakaguchi. Hyôgo-ken: Foot of Mt. Maya, Kôbe (1 ex., vi/1938), K. Kurosa; (1 ex., 9/vi/1939, NA), K. Taniguchi; Motoyama-mura, near Kôbe (3 exs., 16/xi/1937), no collector's name.

Distribution. Japan (Hokkaidô, Honshû, Shikoku, Kyûshû); Primorskij Kray.

*Chaetabraeus cohaeres* (Lewis, 1898)

*Chaetabraeus cohaeres*: Ôhara, 1994, 208.

Specimens examined [additional records].

[Nansei Isles] Ishigaki-jima: (2 exs., 11/vi; 2 exs., 3/x/1995, collected by truck trap), K. Takahashi. Iriomote-jima: Shirahama-rindô (7 exs., 13/ix/1993, collected from cow dung), M. Ôhara.

Distribution. Japan (Nansei Isles); Taiwan; Hong-Kong.

GENUS MACROABRAEUS M. ÔHARA, NEW GENUS

Type species. *Macroabraeus akiyamai* M. Ôhara, new sp.

Belonging to the tribe Abraeini, subfamily Abraeinae. *Macroabraeus* can be defined as having the following combination of character-states: body cylindrical; dorsal surface without short setae; eye present; prosternum without transverse stria; projection on anterior margin of mesosternum absent; meso-metasternal suture present.

There is one character-state in which *Macroabraeus* differs from other genera of the tribe Abraeini. It is the cylindrical body shape. This is a character used by Bickhardt (1917) in his definition of the genus *Teretrius*, tribe Teretrini. *Macroabraeus*, however, has no projection on the anterior margin of mesosternum and appears to be more appropriately placed in the Abraeini.

To include this new genus, couplets in my key to the subfamilies of the family Histeridae (Ôhara, 1994: 65–66) should be changed as follows:

- |         |   |
|---------|---|
| 15 (20) | Antennal sockets incising margin of front of head. Body oval, oblong-oval or cylindrical. Elytra without distinctly impressed striae.           |
| 16 (17) | Labrum and mandibles exposed, not hidden under clypeus. ... Subfamily Abraeinae   |
| 17 (16) | Labrum and mandibles completely hidden under clypeus.   |
| 18 (19) | [same as 19 (20) in Ôhara, 1994, 66] ..... Subfamily Trypanaeinae   |
| 19 (18) | [same as 20 (19) in Ôhara, 1994, 66] ..... Subfamily Trypeticinae   |
| 20 (15) | Antennae inserted under margin of front of head, not incising it. Body oval. Elytra with distinctly impressed striae. .... Subfamily Saprininae |

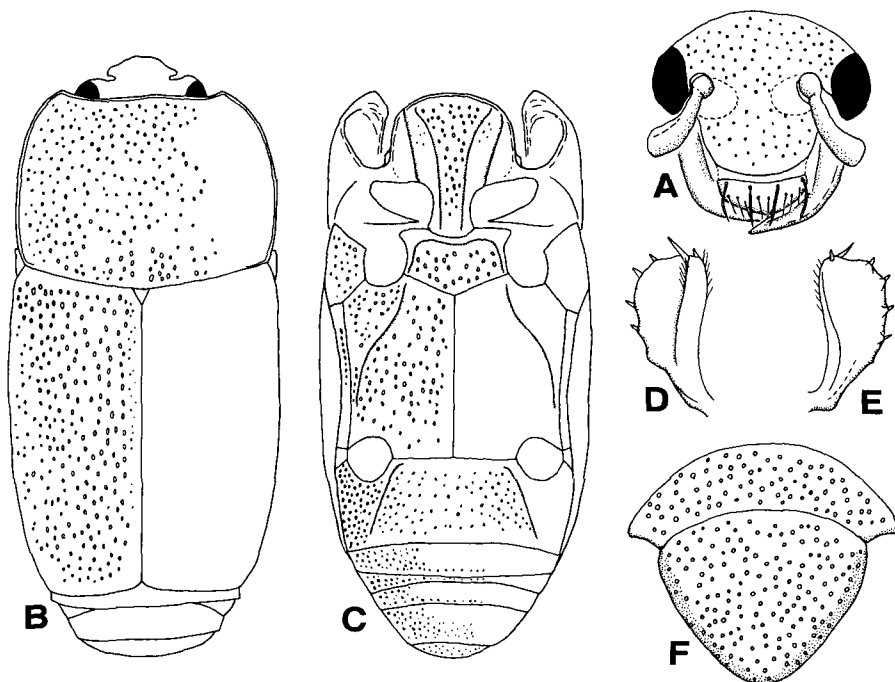


Fig. 27. *Macroabraeus akiyamai* M. Ôhara, n. sp. A: Head, frontal view. B: Pronotum and elytra, dorsal view. C: Pro-, meso- and metasterna, ventral view. D: Protibia dorsal view. E: Ditto, ventral view. F: Propygidium and pygidium, caudal view.

The couplets in my key to the genera of the subfamily Abraeinae (Ôhara, 1994, 204) should also be changed as follows:

- 4 (3) Pronotum without line. Prosternal process with no excavation. Mesosternum and metasternum separately by meso-metasternal suture. .... Tribe Abraeini Portevin, 1929
- 4a (4b) Body oval and convex. Dorsal surface of pronotum and elytra sparsely covered with short and stout hairs. .... Genus *Chaetabraeus* Portevin, 1929
- 4b (4a) Body cylindrical and slightly depressed medially. Dorsal surface without hair. .... Genus *Macroabraeus* M. Ôhara, new gen.

*Macroabraeus akiyamai* M. Ôhara, new species  
(Figs. 27–30)

Type material. Holotype (SEHU). Male. Point-mounted; genitalia dissected; genitalia in balsam on a plastic slide; labeled: 1. "Japan: Nansei Iss., Ishigaki Is. (Truck trap), 13. Jul. 1997, K. Takahashi." 2. "M. Ôhara, No-9865." 3. "Holo-type, *Macroabraeus akiyamai* n. sp., Det. M. Ôhara." (red label). Paratypes (SEHU). Two females and 1 ex. [Nansei Isles]. Same data as holotype (1 female); Same locality as holotype (1 female, 13/xi/1995; 1 ex., sex undetermined, 3-13/viii/1996), K. Takahashi.

Description. Body convex, cylindrical, black and shining; tibiae brown; antennae and tarsi light brown. Body length (in mm.), PPL 1.56-1.8 (Holotype: 1.68), PEL 1.55-1.63 (1.55), APW 0.49-0.5 (0.5), PPW 0.78-0.83 (0.8), PL 0.58-0.63 (0.58), EL 0.93-0.95 (0.93), EW 0.80-0.94 (0.8), ProW 0.48-0.58 (0.48), ProL 0.12-0.18 (0.18), PyL 0.28-0.33 (0.33),

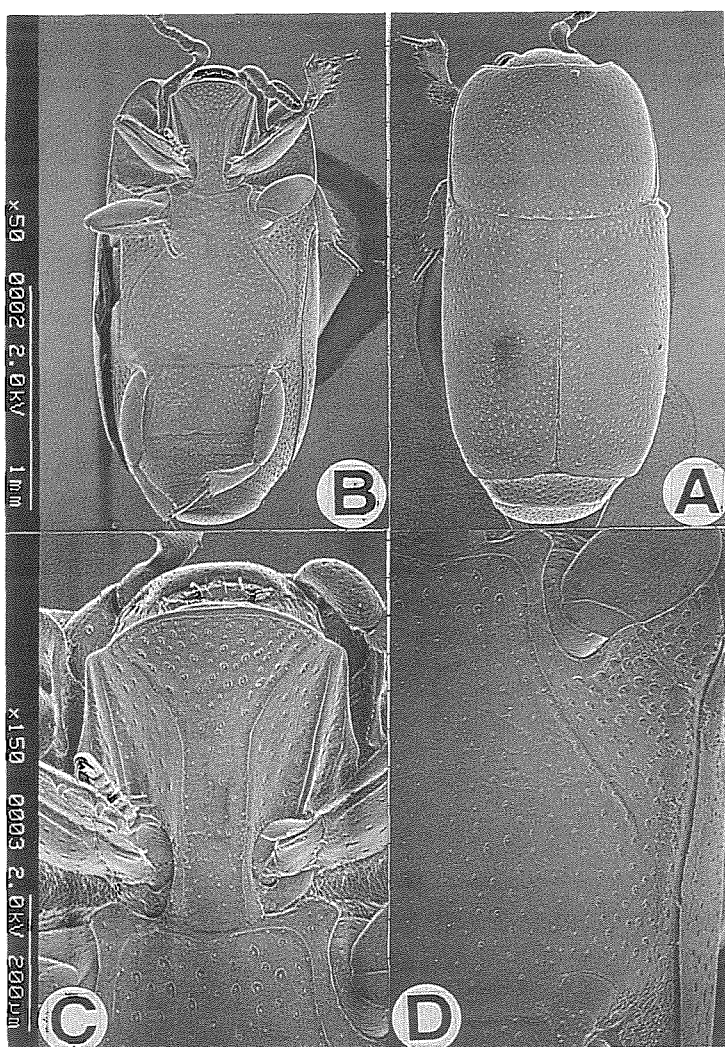


Fig. 28. *Macroabraeus akiyamai* M. Ôhara, n. sp. A: Adult, dorsal view. B: Ditto, ventral view. C: Prothorax and mesothorax, ventral view. D: Lateral half of meso- and metasternum, ventral view.

PTL 0.30-0.33 (0.33), MSTL 0.28-0.32 (0.30), MTTL 0.35-0.38 (0.35).

Head (Fig. 27A, 29B) sparsely and evenly punctate, the punctures separated by 2–5 times their diameter. Labrum transverse oblong, with 4 long and 8 short setae, its anterior margin semicircular.

Pronotal sides (Fig. 27B, 28A) nearly parallel on basal 3/4, convergent forwards on apical 1/4. Marginal stria well impressed and complete laterally and anteriorly, the basal ends shortly bent inwardly; disk sparsely and evenly covered with coarse punctures that are separated by about 2–3 times their diameter.

Epipleural and elytral marginal stria absent. Disk of elytra sparsely covered with coarse punctures similar to those on the pronotum.

Propygidium (Fig. 27F, 29C) densely covered with coarse punctures that are separated by 0.75 (0.5–1) times their diameter. Pygidium densely and coarsely punctate, the punctures are little sparser than those of the propygidium.

Anterior margin of median portion of prosternum (Fig. 27C, 28C) regularly rounded, with a marginal stria that is well impressed. Keel broad, moderately compressed, and sparsely covered with coarse punctures; the posterior margin truncate. Carinal striae impressed completely, the anterior half gradually divergent apically. Descending lateral stria deeply impressed, the outer ridge carinate.

Anterior margin of mesosternum (Fig. 27C, 28C, D) feebly emarginate medially, its marginal stria carinate and complete; disk sparsely covered with coarse punctures that are separated by 2–5 times their diameter. Meso-metasternal suture lightly impressed, strongly angulate at middle. Intercoxal disk of metasternum sparsely covered with coarse, deep and longitudinal punctures that are separated by 1–4 times their diameter, the punctures becoming smaller and sparser in lateral area; lateral disk sparsely and coarsely punctate, the punctures being sparser and finer posteriorly; lateral-metasternal stria well impressed, carinate, extending obliquely and posteriorly, reaching near middle of metasternal-metepisternal suture. Disk of meta-epimeron densely covered with coarse and round punctures that are separated by 0.5–1 times their diameter.

Intercoxal disk of 1st abdominal sternum (Fig. 27C) sparsely covered with punctures that are a little finer than those of the metasternum; its sides completely striate and carinate.

Protibia (Fig. 27D, E, 29D) dilated, its outer margin with 5 denticles (spinulae), the basal-most fine. Mesotibia with 4 spines on outer margin. Metatibia with 2 spines on apical

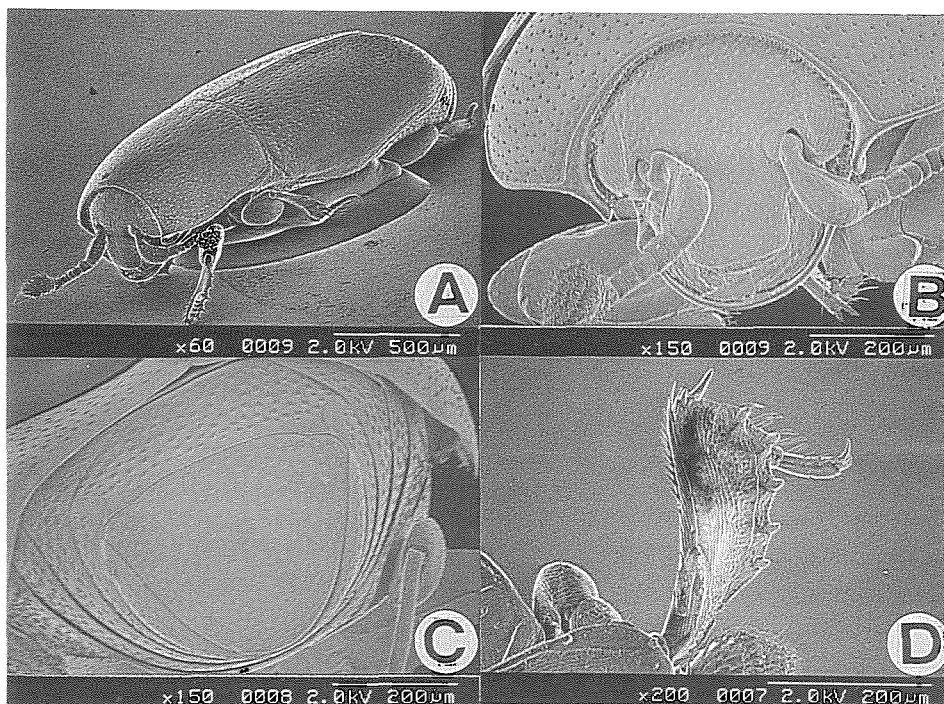


Fig. 29. *Macroabraeus akiyamai* M. Ôhara, n. sp. A: Adult, oblique view. B: Head, frontal view. C: Propygidium and pygidium, caudal view. D: Left protibia, ventral view.

angle.

Male genitalia as shown in Fig. 30. Apical 1/5 of aedeagus expanded; basal piece absent. Spicule slender and not divided into two parts.

Distribution. Japan (Nansei Isles: Ishigaki-jima Is.).

Etymology. This species is named after the late Mr. Kôyô Akiyama, in recognition of his contribution to the natural history of Coleoptera in Japan and his encouragement to many other Japanese coleopterologists.

Remarks. *Macroabraeus akiyamai* is very distinctive and differs obviously from all Japanese species in the family by the small and cylindrical body. This new species resembles superficially *Paromalus* spp. in the subfamily Dendrophilinae, but differs in wanting the prosternal lobe. This species was collected by truck trap (a driving motor truck with an insect net on the roof).

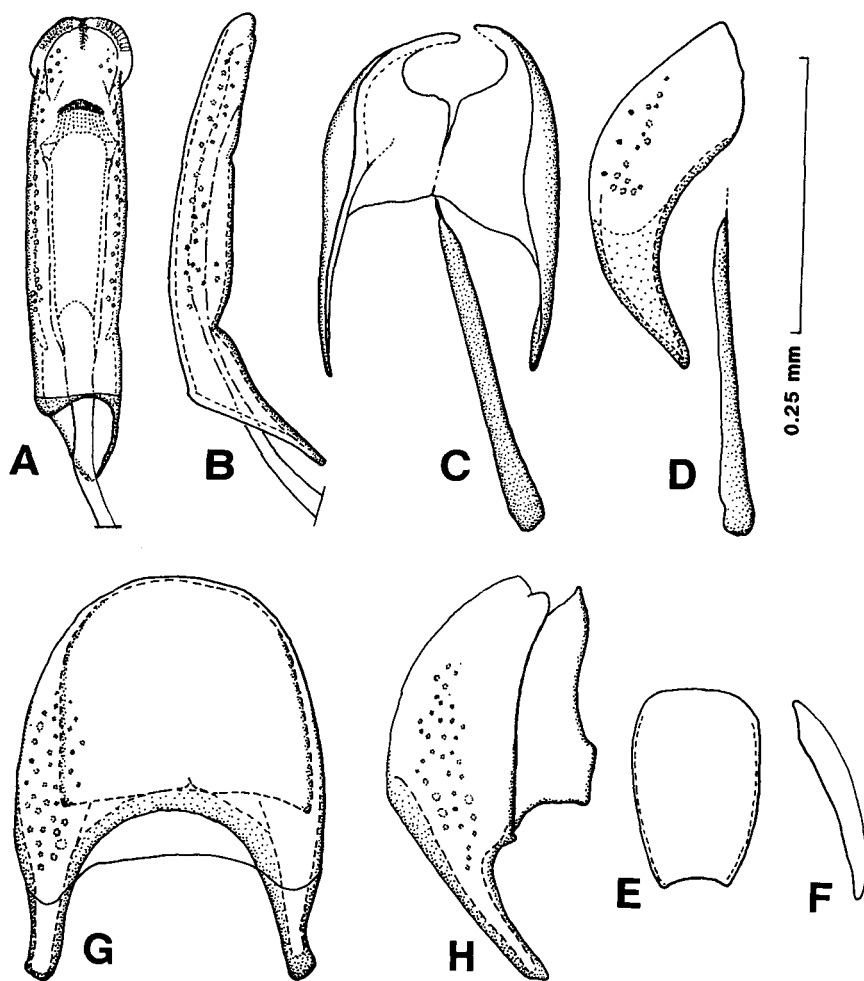


Fig. 30. *Macroabraeus akiyamai* M. Ôhara, n. sp. A: Aedeagus, dorsal view. B: Ditto, lateral view. C: Ninth tergites and sternum (spicule). D: Ditto, lateral view. E: Tenth tergite, dorsal view. F: Ditto, lateral view. G: Eighth tergite and sternum, dorsal view. H: Ditto, lateral view.



TRIBE PLEGADERINI PORTEVIN, 1929  
GENUS PLEGADERUS ERICHSON, 1834

*Plegaderus marseuli* Reitter, 1877

*Plegaderus (Plegaderus) marseuli*: Ôhara, 1994, 211.

Specimens examined [additional records].

[Hokkaidô] Proper: Nopporo (1 ex., 23/iv/1973, HMH), Y. Sakamoto.

[Honshû] Aomori-ken: Ôminato, Mutsu-shi (4 exs., 6/v/1978, APM), K. Shimoyama & S. Sato.

Distribution. Japan (Hokkaidô, Honshû, Shikoku, Kyûshû).

SUBFAMILY TRYPETICINAE BICKHARDT, 1913

GENUS TRYPETICUS MARSEUL, 1864

*Trypeticus fagi* (Lewis, 1884)

*Trypeticus fagi*: Ôhara, 1994: 267.

Specimens examined [additional records].

[Honshû] Aomori-ken: Towada, Hiraka-machi (4 exs., 25, 26/vi/1964; 1 ex., 9/viii/1967, APM), K. Shimoyama; Jûniko, Iwasaki-mura (2 exs., 21/vi/1964, APM), K. Shimoyama; Mt. Kushiishiyama, Ajigasawa-machi (1 ex., 7/vi/1987, APM), A. Abe; (1 ex., 30/vii/1987, APM), Y. Kikuchi; Jôgakura, Mts. Hakkôda (2 exs., 22/vi/1986, APM), A. Abe; Ôkawa, Nishimeya-mura (1 ex., 25/vii/1987, APM), A. Abe; Ajigasawa-machi (1 ex., 5/viii/1986, APM), A. Abe; Akaishigawa, Ajigasawa-machi (1 ex., 27/vii/1986, APM), K. Shimoyama; Mt. Ranganmori, Ajigasawa-machi (1 ex., 6/viii/1986, APM), S. Yamauchi.

Distribution. Japan (Honshû, Shikoku, Kyûshû, Izu Isles, Yaku-shima Is.).

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CORRECTIONS TO:

Ôhara, M., 1994. A revision of the superfamily Histeroidea of Japan [Coleoptera]. Insecta Matsumurana, New Series, 51: 283 pp, 166 figs. 42 tabs.

On page, line or fig.

p. 1—line 17	<i>Eucuritiopsis</i>	<i>Eucurtiopsis</i>
p. 2—line 39	<i>Eucuritiopsis</i>	<i>Eucurtiopsis</i>
p. 10—line 29	Hetaerinae	Hetaeriinae
p. 11—line 28	Hetaerinae	Hetaeriinae
p. 13—line 13	Saprinimorphae	Saprinomorphae
p. 13—line 32	<i>Eucuritiopsis</i>	<i>Eucurtiopsis</i>
p. 15—line 3	The suture is present only in the Sphaeritidae;	The suture is present in the Sphaeritidae and some species of the genus <i>Bacanius</i> ; [suggested by Dr. Al. Newton, in the Filed Museum, Chicago, U.S.A.]
p. 25—Fig. 11	[add]	C
p. 56—Fig. 36	14AnCa 2	LaSe 1
p. 58—line 22, 29	Anterior	Posterior
p. 64—line 10	Japan (Hokkaidô, Honshû, Kyûshû)	Japan (Hokkaidô, Honshû, Kyûshû); Kuril Is. (Kunashir Is.).
p. 65—line 7	porrect	prorect
p. 70—line 6	China	[delete]
p. 73—line 12	Honshû).	Hokkaidô, Honshû, Kyushu).
p. 78—line 2, 3, 15, 16	<i>Eucuritiopsis</i>	<i>Eucurtiopsis</i>
p. 79—Fig. 49, caption	<i>Eucuritiopsis</i>	<i>Eucurtiopsis</i>
p. 80—line 12	<i>Eucuritiopsis</i>	<i>Eucurtiopsis</i>
p. 81—Fig. 50	on A	[delete marginal pronotal stria]
p. 83—line 36	Nise-ko-sesuji-	Nise-sesuji-
p. 85—line 3	Nise-kinoko-	Kamiya-
p. 89—line 35	straight or truncate	straight, truncate
p. 91—line 10	pronotal anterior	anterior pronotal
p. 94—line 17	[add]	Taiwan
p. 99—line 13	[add]	Kyûshû,
p. 109—line 11	(Honshû, Shikoku, Kyûshû)	(Honshû, Shikoku, Kyûshû, Sado Is., Tsushima Isles.)
p. 136—line 9	375	378
p. 137—line 19	<i>coelestis</i>	<i>coelestis</i>
p. 141—line 9	Taiwan; continental China; Korea;	[delete]
p. 161—line 32	Kunogahata	Kumogahata
p. 179—line 135	(Nansei Isles); Lombok Is.	(Honshû, Shikoku, Tsushima Isles., Nansei Isles.); Taiwan.
p. 187—line 7	Lewis, 1892	(Lewis, 1892)
p. 214—line 32	with	without
p. 214—line 33	without	with
p. 243—line 25	Schmidt, 1890	Marseul, 1862
p. 248—line 7	[add]	Primorskij Kray;
p. 250—line 24	[add]	Primorskij Kary; Sakhalin.
p. 252—line 20	[add]	continental China; Ussuriyskij Kray; Sakhalin; Afghanistan: Oriental region; Australia.
p. 252—line 25, 27-9	<i>subaenus</i>	<i>subaeneus</i>
p. 255—line 27, 30	<i>subaenus</i>	<i>subaeneus</i>
p. 267—line 25, 26	pronotum	prosternum